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U. S. Department of Agriculture

A FEW HENS

THE POULTRY PAPER FOR BEGINNERS.

VOL. 2.

BOSTON, MASS., MARCH 15, 1899.

NO. 9.

Your Subscription Ended

for this paper, possibly with the last issue of A FEW HENS. If so, and you renew, you will get fifty per cent. more matter the coming year, as the paper will contain twelve pages instead of eight. The price will remain the same, 25 cents, as before. Kindly favor us at once with your renewal, sending 25 cents for same, in cash or postage stamps.

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A FEW HENS, Box 2118, Boston, Mass.

EDITORIAL HINTS.

Get new blood.
Clean up, again.
How's business?
Are we improving?
Don't fail to renew.
Hail, gentle spring.
Stick to pure breeds.
Disinfect the houses.
Oh, that ground hog!
A good time to begin.
Renew the dust baths.
Fresh air is important.
Our circle is enlarging.
Tell us your experience.
Utility is having a boom.
Patronize our advertisers.
Advertisers are crowding.
Use well-directed energy.
Study the market reports.
Separate according to age.
The lazy man is forgetful.
Ill-treated hens are costly.
Nothing can thrive in filth.
Keep the hens comfortable.
Did the blizzard strike you?
Vigor is the best foundation.
Poultry trusts are impossible.
Well-kept stock is profitable.
Get your friends to subscribe.
Don't criticise your neighbor.
Is your neighbor a subscriber?
Good management saves labor.
Idle hens are mischief makers.
Each breed has its trade mark.
Now for the voice of the chick.
Even fanciers are considering utility.
Overcrowding is unnecessary expense.

Experimental Farm Notes.

The Editor in Another Blizzard—Zero Weather—A Good Test for Our Methods—Muslin Curtains in Front of the Scratching Sheds—Our January Report.

Blizzards are a scarce article in Southern New Jersey, but this year we have been "blessed" in that particular. Last November we had our first taste, and we thought it was a terrible storm, but in comparison with the experience of February 13th and 14th of this year, it was but a mild snow storm. The young man who attends to the farm lives about two miles from here, and up to the above dates, no weather visited us that prevented his reporting on duty. But Monday, February 13th, was too much. He made the attempt, got a short distance from home when he began to encounter one huge snowdrift after another, and was at last compelled to turn back.

In the meantime the editor was acquainted of the fact that a blizzard had struck Hammonton, and he braved the storm. Fortunately we had a large coal shovel in the house, and with this we were able to make a path to the shop building wherein we had a snow shovel (or rather an apology for one.)

Down to hard work we got—shoveling a path first to No. 1 house of our 4x4 pens, with their open wire fronts, and with only a feed bag hooked across the front of the wire. All these 4x4 houses were covered with snow, so that one could hardly tell what they were. To our surprise, we found the fowls in every one of these houses to be in a happy mood, but, no doubt, wondering if daylight would ever appear. The roosters crowed, and the hens began scratching for food just as soon as we removed the snow so that the light could enter. Then we worked our way over to our breeding pens, and about noon was able to give the fowls their breakfast. We combined dinner with supper, and fed it about 4 o'clock in the afternoon.

It snowed and blowed the whole day, and by night the storm increased its fury, with the result that by Tuesday

morning the editor had a bigger job on his hands than the day before. It was one continual grind—shoveling snow. The fowls got their breakfast this day at about two o'clock, p. m., and then had to be contented until the next morning. We fed only grain (mostly whole corn) on those two days.

Early Tuesday morning our young man, shovel in hand, began working his way towards the farm, and reached it about one o'clock in the afternoon. It was a noble struggle, but he made it. On this day the Highway Committee, of the Hammonton Town Council, ordered the Overseer of the Highways to open the streets, and he, with a large wooden scraper, drawn by ten horses, was soon at work opening up the way to travel. Fortunately for us, his route was up the street past our farm, and out the next street, past the home of our young man. This enabled our employee to report regularly ever since, and matters are moving more smoothly.

So that is the story of the great blizzard, and the first one our editor has ever experienced (he lived in Virginia when the other big blizzard visited Jersey, about twelve years ago), and now that in his life time he has had a taste of cyclones, earthquakes and blizzards, he is contented to live a more quiet life in the future.

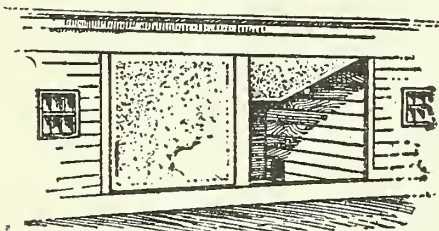
But through all this storm we did not lose a single chicken, nor have we one that shows a cold, or in any way was affected by the weather.

A few days prior to the storm, we wish to add, we had several days and nights of zero (and below) weather. The first handicap was the freezing of one of the pipes supplying water from our windmill. This shut off a great convenience, and we had to resort to our driven well, which we have in case of an emergency. With such cold weather to contend with, the plumbers could not thaw open the pipe, and after working a day and night they doctored it up in such a way as to prevent it from bursting, and concluded to wait until the first mild day—and that day was the second day after the storm—just one week from the time of the freeze-up. Now we are happy again!

Even in that zero weather we did not have any fowl suffer, excepting a Leghorn cockerel in a rather exposed pen had his comb badly frozen, and several Wyandotte cockerels had their wattles nipped—but that was all. In the scratching sheds every thing remained in good condition, and you could not tell of blizzard weather from the appearance of the fowls. When we put double walls in our houses, some visitors smiled, asking why we went to that expense in Jersey. We replied that we wanted to be on the safe side. We were. In our 4x4 houses the three walls are lined with Neponset paper, which, despite the fact that part of the fronts were only wire netting, there was not a frosted comb or wattle in any of these pens. It was a big testimonial for Neponset. We have learned the value of the maxim, "When you build, build well."

**

Fortunately we had muslin curtains placed in front of our scratching pens before this storm. We have the muslin tacked to a frame and hinged to the top. The muslin is coated with linseed oil. At night we put down this frame, and the next morning hang it up, if the day be fair. The illustration we herewith give, shows a scratching shed with the muslin frame open and shut, and which illustrates the plan we have adopted.



We have also added a little convenience in our scratching sheds. Heretofore we fed the mash in troughs placed in the runs, and carried them in the sheds during bad weather. Now we have the troughs permanently in the sheds, but when the fowls are through eating we fasten the troughs to the side of the wall by means of hooks and eyes. This does not take any room from the fowls, and makes it more convenient for the attendant.

**

Orders for fowls (cockerels, hens and pullets) of our stock have been coming in so fast that we have not only cleaned out all we could spare, but were compelled to hunt up our egg customers of last year, and buy of them all the birds they would sell. This enabled us to disappoint no one, and at the same time gave a good profit to those who favored us last year with their egg orders. We make mention of this fact so that the reader will understand when we state in our 1899 report what we mean by "stock bought and sold."

**

Several of our subscribers have asked that we give our egg yield per month, which we are glad to do. But as we must write these notes in advance, we can only give the January report in this issue, the February report in the next, and so on.

During January of this year, our Brahmas laid 48 eggs (we received our first egg January 15th.)

Wyandottes laid 377 eggs.

Leghorns, 203 eggs.

Ducks, 13 eggs (they began Jan. 22.)

This makes a total of 641 eggs for the month, or an average of 20 1-3 per day. The highest number of eggs laid in a day was 41, and the lowest number was 10.

Of eggs we retailed, the highest price we received during the month was 27 cents, and the lowest 18 cents, with an average of 21 cents.

Eggs and Egg Farming.

An Ode to the Cackling Hen—Importance of Marketing Clean Eggs—The Period of a Hen's Usefulness—Selling Eggs by the Pound—A Good Egg Record—The Size of the Egg Trade—What Selection Can Do for a Flock—Assort Carefully According to Size and Color.

The eagle is the honored bird,
Because he flies so high;
Give me a hen—I want no part
Of eagles in the sky.
When morning stars first sang for joy,
No doubt the rooster crew;
And hens laid eggs in paradise
When this old world was new.

Adown the ages records show
That hens their part have played;
Mankind have lived upon their flesh,
And on the eggs they've laid.
The roosters were the ancient clocks,
And told the time of night;
All nations counted on their time
When the sun was out of sight.

Peter heard the roosters crow
When his Master he denied;
When, after that, he heard them crow
He thought of how he lied.
Christ wept o'er Jerusalem,
And said, Like a mother hen
I'd care for thee—but I cannot,
Because you're wicked men.

Poets may praise the singing birds,
And I will say amen;
But the sweetest song this poor man hears
Is the cackling of a hen.
Those cackling birds have sung their songs
Six thousand years, no doubt;
Methinks they're just the things to keep
When a man is all played out.

—Poultry Monthly.

R. I. REDS. Prolific layers. Eggs, 26, \$1.50; 84 pr. 100. St'k in season. E. S. Piper, Camden, Me.

Buff Wyandottes exclusively. Eggs, \$1 per 13. Sat. guaranteed. Geo. A. Porter, Oxford, Ohio.

Eggs for hatching from prize winning Lt. Brah., S. C. W. and Br. Leg., W. Wyan., Bl. Langs., B. P. Rocks; \$1.00 pr. 13; \$2.00 per 30. S. J. Lowe, Columbia, Del.

W. and Barred Ply. Rocks. Fine stock; heavy layers. Eggs, \$1 for 13; \$5 per hundred. C. M. Hubbard, Box 114, New Brunswick, N. J.

NO REASONABLE OFFER refused to close. Norton laying strain W. W. and B. P. R. Cock'ls. One R. I. R.; one S. C. B. L. Cock'1; two Rankin Pekin Drakes. C. A. Dunlap, Falmouth, Maine.

TURKEYS White Holland and Bronze \$2 and \$3. Eggs in season. C. ADELL KAYNER & Co., Lockport, N. Y.

PURE Buff Rocks and Buff Leghorns. Eggs, \$1 per sitting. Circular. PLEASANT POULTRY YARDS, Marysville, Pa.

I WANT MONEY

and to get it I will sell at a sacrifice 50 laying Pekin Ducks, 20 Drakes; 7 Buff Wyandotte Pullets; 29 S. C. Brown Leghorn Pullets and Hens and 8 Cockerels; 20 Buff Leghorn Hens, 1 fine Cock and 2 Cockerels; 1 trio Silver Spangled Hamburgs and 1 Cockerel; 2 Sherwood Hens; 2 Buff Ply. Rock Cockerels, 6 Hens, 4 Pullets and 3 Cockerels, Barred Ply. Rocks; 1 fine Wh. Minorca Cock; 3 S. C. Wh. Leghorn Cockerels; 1 Cock and 3 Hens, Wh. Wyandottes; 1 Golden Wyan. Cockerel; 2 Cockerels and 8 Pullets, Lt. Brahmas; 1 Cock and 4 Hens, Wh. African Guineas, 4 Wh. Faced Bl. Spanish Hens; 1 W. C. W. Polish Bantam Hens; pair common Bantams, 2 young Toms and 5 young Hens; Bronze Turkeys out of my 50 lb. Tom; 400-egg Prairie State Incubator, nearly new. Write me your wants and I will give you low prices. **JAMES M. SMITH, Perkiomenville, Pa.**

Exercise and eggs.
Create your market.
Make them exercise.
Keep the nests clean.
Have eggs for breakfast.
Lookout for the egg eater.
Have you "expert" layers?
Your fate may lie in one bad egg.
Are you running a "dry-egg" farm?
The heavy layer is a heavy eater and drinker.

The nest egg will help the fowl to locate the nest.

Remove the broody hens from the laying house.

Did your hens shut down laying during the blizzard?

"Out of grit—out of eggs," says *Rural New-Yorker*.

Scared hens will not lay enough to pay for their feed.

The commission man will kick if the eggs are dated.

Don't sell all the eggs—enjoy some on your own table.

The cook will expose honest or dishonest egg practices.

Overcrowding the pen is at the expense of egg production.

Buying up eggs to sell to your customers is a risky job.

It is the idle hen, and not the busy laying one that gets overfat.

Nest eggs do not induce hens to lay. That was an old-time theory.

For winter eggs management and feed are more important than breed.

SEED DUE BILL FREE

To get new customers to test my seeds I will mail my handsome catalogue for 1899, lithographed and beautifully illustrated, and a 10c. Due Bill, good for 10c. worth of seeds for trial, absolutely free. It is full of bargains. All the Best Seeds, Bulbs, Plants, Roses, new Fruits, Farm Seeds, Potatoes, etc., at lowest prices. Ten Great Novelties offered without names. I will pay \$50. FOR A NAME for each. Don't buy your stock until you see this new catalogue. Several varieties shown in colors. Great inducements for orders this year. You will be surprised at my bargain offers. Send your address on Postal to-day. Tell your friends to send too. Old customers will receive a copy. **F. B. MILLS, Seedsman. Box 18, Rose Hill, N. Y.**

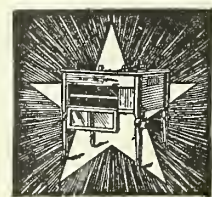
LANGSHANS

will lay the year round; cold weather don't stop them. I have some grand birds for sale.

COCKERELS, \$2.00 to \$5.00 each.

EGGS, \$2.00 a sitting; three sittings for \$5.00. **C. I. DROWNE**, Sandown, N. H.

Suits Everybody.



We guarantee the **Star Incubator** to be perfectly satisfactory to every purchaser or return your money without question. No other incubator company gives such a guarantee. They want their incubators to stay sold—we don't, unless the buyer is satisfied that they are the best on earth and satisfactory in every way.

NO MOISTURE to be supplied. Catalogue free.

STAR INCUBATOR & BROODER COMPANY,
Bound Brook, New Jersey.

AMERICAN TRAP NEST BOX.

Very simple; easy to build; directions for building, \$1.00. By its use I have brought my strain of S. C. White Leghorns to lay 200 eggs per year, and win at New York and Boston. Stock for sale, circulars free. **J. H. WOODHEAD,**
Pleasant Poultry Yards, Box 226, Leicester, Mass.

Your retail customers will appreciate the fact that you honestly date your eggs.

Editor Harker thinks a lazy fellow can make more with a cow than with hens for eggs.

Farm Journal says a hen's value as a winter egg producer lessens after her second year.

In Philadelphia market, two days before the blizzard, eggs were quoted wholesale at 22 cents. On the morning of the blizzard, 30 cents; a week afterwards, 20 cents. How quickly a handicap jumps prices.

What selection can do for a flock is shown by the experience of Wyckoff, of New York State, who, by selecting the best layers among his flock of Leghorns for several years, got his whole flock of 600 up to an average of 196 eggs per hen a year, says Massachusetts *Ploughman*.

When the egg drawer is filled with eggs it requires but a glance to notice the great dissimilarity of sizes and shapes, says *American Agriculturist*. While they are in the drawer they can be easily compared and the extremely small and large ones can be removed. Endeavor to have the eggs used for hatching as nearly uniform in size and shape as possible.

J. E. Stevenson, in *Rural New-Yorker*, says the period of a hen's usefulness depends altogether on the hen. While the first year is usually the best for egg production, it is not always the case, some hens laying better the second year; but, as a rule, one will get the greatest number of eggs from a given number of fowls by having the pullets hatched early; March and April are best months, so as to get them laying early in the fall, and change them each year, disposing of the fowls when they cease laying to go through the moulting process.

S. T. Buck, Jersey City, N. J., writes: "I have a mixed company of hens as follows: One 2-year old Dominique, one 2-year old Brahma, one 2-year old Barred Plymouth Rock, and five pullets eight months old. First pullet commenced laying November 20; second, December 11; third, December 16; fourth, December 22; fifth, December 30. All the young ones, and the three old ones, are laying now. Last Sunday I got eight eggs, Monday 7, Tuesday 7, Wednesday 5, Thursday 6, Friday 7 and today 5. That is, 45 eggs in one week from 8 hens. Can any one beat it?"

Able F. Stevens, of Wellesley, Mass., says: "If we look into the egg trade alone, we find that to supply the active demands of our people for this prime article of food, besides all that we produce in this nation, we were compelled to import both from Canada and Europe the past year over 32,000-000 dozens of eggs, and for the last decade we have paid out for imported eggs alone over \$30,000,000. During the time referred to we have imported thousands of tons of dressed poultry from Canada and Colombia. We should never have allowed these immense sums of money to have left our own fair land to provide these articles of food, when all of them could and

should have been produced by ourselves. In the future let it be done."

A correspondent of the *Country Gentleman*, says: "Some years ago I had a brother-in-law who kept a grocery, and he tried to sell eggs by the pound. He soon found it a very difficult matter. I have seen him spend nearly a minute weighing out a pound of eggs. And in no case, or very seldom, could he get exactly a pound, for there would be a fraction one way or the other, and in disgust he gave it up. After he had filled the scale's hopper with what seemed to be a pound he would take out one and put in one of a different size, and so change two or three times. He found it very difficult from weighing tea or coffee, for he could sprinkle in either of them until the scale balanced, and then the job was done."

Commission merchants say that on an average there is a difference of four cents a dozen between soiled eggs and those that are sent to market bright and clean, says *Poultry Farmer*. And it is not necessary that all the eggs of a shipment shall be soiled in order to make the consignment rank as such. Even a very small proportion of soiled eggs in a package will cause the whole to be rated several cents below the best market price. The trampling on the eggs by the dirty feet of the hens, fresh from the moist earth of the yard, and the discoloration produced, does not affect the contents but it gives the eggs an uninviting appearance, and it is not to be expected that people will be indifferent to the looks of things which they buy for their table. Poultry keepers can afford to take the time to clean the shells of the eggs which they send to market when the failure to do so means the loss of four cents a dozen.

About Broilers and Roasters.
Points to be Observed in Market Poultry—The Plymouth Rock—The Chicago Market—Capons—Dressed Poultry at the New York Show—Poor Stock in the Markets—A Better Grade of Stock is Being Marketed Each Year—Some Facts Worth Remembering.

Small bones.
Broad backs.
Plumb breasts.
Fine-grained meat.
Selling sick chickens is a crime.
The poor, lean carcass goes begging.
The finer grades are always in demand.
The dressed poultry trade is growing.
The spring chicken is introduced about April.
The spring chicken is the broiler's substitute.
Rankin says roasters pay better than broilers.
Business poulterers have regular shipping days.
In western markets broilers sell live by the dozen.

No.

Cures

5

Fevers, Inflammation,

10

Bronchitis, Influenza,

15

Indigestion, Crop Bound,

20

Roup, Catarrh, Pip,

25

Chicken-pox, Canker,

30

Diarrhœa, Cholera,

35

Rheumatism, Lameness,

40

Diphtheria, Ulcers Mouth,

45

Constipation, Liver Troubles,

50

Debility, Slow Growth,

55

Worm Diseases, Gapes,

60

Dysentery, Vent Gleet.

BELL'S POULTRY OIL

"The External Remedy"

For Wounds, Sores. Application for Lice. Prices—

Pills or Oil, one ounce Bottles, 30 cents; two ounce

Bottles, 50 cents. Post free,

Bell's Poultry Doctor,

Giving full treatment Poultry and Pigeons, Free to

Everybody. Send for it.

BELL'S REMEDY CO., 3 Vesey St., N. Y.



SEND FOR CATALOGUE

DON'T PAY A CENT

for an Incubator of any kind until you have given it a thorough trial.

Some incubators were never intended to hatch chickens but are only made to sell.

We send you this

VON GULIN INCUBATOR ON TRIAL.

After you have tested it to your satisfaction you pay for it. So easy to handle any child can run it. Took First Prize at World's Fair and Medal at Nashville and Omaha Expositions. We send the largest and most instructive catalogue published for 5 cents.

Plans for Brooders and Poultry Houses, 25c.

VON GULIN INCUBATOR CO.

No. 23 Adams Street

Delaware City, Del.

They are Bred for Eggs and Meat!

LIGHT BRAHMAS.

WHITE WYANDOTTES.

S. C. WHITE LEGHORNS.

We use none but strictly hardy, vigorous birds in our breeding pens, keeping as close to the Standard requirements as is consistent for good health and profits. Utility being our aim. Orders booked now.

Eggs for Hatching only \$1.25 per sitting of 15.

MICHAEL K. BOYER, Hammonton, N. J.



...THE GREAT ESSENTIALS...

to successful hatching are proper distribution and regulation of heat, fresh air and moisture.

Petaluma Incubators

are as perfect egg hatching machines as have ever been invented. They are automatic in their working and require no special skill to operate. All the fertile eggs will hatch. We build a first-class machine, which we guarantee to give perfect satisfaction, and pay the freight anywhere in the U. S.. Send for free catalogue before you buy an incubator or brooder.

PETALUMA INCUBATOR CO.,

BOX 256, PETALUMA, CALIFORNIA.

In dressing poultry for market, practice makes perfect.

Carcasses which attract the eye are always in demand.

John Helter-skelter never did send fat chickens to market.

Get such breeds that are best suited for your market demand.

The French cramming system will never become popular in this country.

The introduction of incubators and brooders has boomed market poultry.

Medium-sized roasters (three to five lbs. each) are generally preferred in market.

In the Chicago market broilers command the best prices from March to July.

The meat of yarded poultry is always more tender than that having free range.

Corn and cornmeal gives the golden color to the skin; buckwheat and middlings whitens it.

No honest poultterer would send to market such stock as they would hesitate to place on their own table.

Not all commission men are dishonest. More often ignorance or carelessness on the part of the shipper is the fault.

Breeding from strictly hardy stock is the only sure foundation upon which to build a substantial market poultry business.

Unless you have regular shipping days of each week, it is best to write the commission merchant before shipping him your goods.

P. H. Sprague, the Chicago commission merchant, says Plymouth Rocks, Wyandottes and Light Brahmas are the preferred market varieties.

H. L. Brown, in *National Rural*, says after the spring months, chickens become too large for broilers, and usually sell as "soft meated" chickens, at a price a shade better than fowls.

When Plymouth Rock chicks hatched May 27 can be put on the market September 19, to weigh, when dressed, five pounds and a quarter, and sell for 15 cents a pound, it pays to attend to business, says the *Maine Farmer*. These weights have been secured by some of the growers of Pembroke, and the quality was, of course, first-class. This is good business.

H. L. Brown says the close study and attention that raisers and dealers in poultry have given the industry of late years has brought good results and a finer and better grade of stock is being marketed each year. Dealers are also rapidly becoming educated to the best time to market the different varieties, so as to realize highest values and best results.

Capons should always be dressed, and sell best (in the Chicago market) from the first of November until warm weather in the spring. The highest prices are generally obtained in February. Capons should weigh 8 to 12 pounds each. The larger they are the more they will bring. Smaller than 8 pounds each will not bring much more than the price of common chickens.

P. H. Sprague says the best time to sell chickens is from the first of January to the first of November. Every one seems to want to sell during Novem-

ber and December, and consequently the market is always overstocked at that time. If possible, chickens should be marketed before the first of November, and if not they should be held until after the holidays, in order that the best prices may be secured.

It is impossible to walk through the markets at any time without seeing large quantities of extremely poor turkeys, fowls and chickens, says the *Rural New-Yorker*. It is seldom that one sees a poorly fattened hog in market. If it pays to stuff with corn a hog that won't net his feeder five cents a pound dressed, why isn't it good business sense to use some of that corn to fatten a bird that will bring twice as much per pound? Will the same corn make twice as many pounds of pork as of poultry? If not, it would seem wiser to put the corn where it will do the most good.

At the recent New York show, says F. H. Valentine, a firm of dealers made a very fine showing of a complete assortment of game and dressed poultry. It included turkeys, ducks, geese, capons, fowls, chickens, broilers, roasters, and every kind of game, domestic and foreign that is in season. Numbers of the chickens were labeled as fancy milk-fed Philadelphias, raised on such and such farms. All the stock was dressed and packed in the most approved style. Some of the birds were tied around with colored ribbons, and presented a very fanciful appearance. To one whose views of dressed poultry are largely confined to the wholesale markets, and the ordinary retail poultry stands, these tastefully arranged displays present a pleasing contrast. A look at them ought to answer the question as to why some people get so much higher prices for their poultry than others.

EGGS. BLACK LANGSHANS. Will sell a few settings from two grand pens. Large, vigorous, healthy females mated to Standard-weight males, \$2.00 per setting; three settings, \$5.00. H. COTTERILL, Westfield, N. J.

Heavy Laying Minorcas. Our Black Minorcas are mated and bred for heavy egg production. Eggs for hatching, \$1.50 per sitting. Stock for sale. Address, C. K. NELSON, Hammononton, N. J.

Poultry at the U. S. Stations.

Experiments to be Tried by the Different State Experimental Stations in the United States—Condition of the Poultry Interests.

Believing that much good is accomplished each year by the different agricultural experiment stations in the United States, in the interests of poultry, and also knowing that much of this work is not circulated as largely as it should be, A FEW HENS has decided to keep in touch with the movements of the different stations, and report the results in these columns from time to time.

1. "Will your station, the coming season, make any poultry experiments? If so, what will be their nature?"

2. "Is the poultry industry in your state on the increase?"

To these questions we received the following replies:

New Haven, Conn. No; other work gives full occupation to this Station. —S. W. Johnson.

Bozeman, Mont. We are not in position to undertake this work, experimentally, as yet. No, the industry is not on the increase. —S. H. Emery.

Storrs, Conn. We are just building up poultry plant with a number of best breeds. Shall not be ready to start any experiments before 1900. —C. S. Phelps.

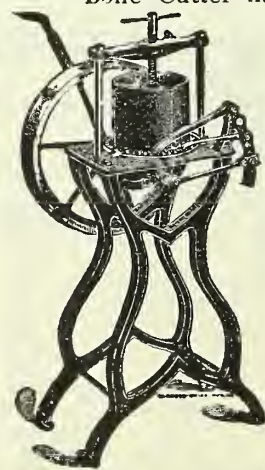
Urbana, Ills. We are not equipped to conduct experiments in poultry raising, for which I am sorry. I cannot answer as to state of the industry. —F. Davenport.

Fayetteville, Ark. No poultry experiments will be undertaken this year. The industry is on the increase, rapid increase. In Northwest Arkansas it is a large industry. —R. L. Bennett.

Lincoln, Neb. We will make experiments with poultry on roup and vaccination against chicken cholera. These are the only two lines in all likelihood that will be taken up. —A. T. Peters.

Green Bone Cutters.

THE Webster & Hannum Green Bone Cutter, formerly made at Cazenovia, N. Y., is now being manufactured and sold by the undersigned. This Bone Cutter has always been a favorite with poultrymen on account of its many advantages over all other machines. With our unsurpassed facilities for manufacturing, it will be better than ever.



The new cutter-head is practically *indestructible, absolutely self-feeding and self-regulating* as to the supply of bone fed to the knives. It will cut meat and gristle equally as well as bone. Made in sizes suitable for hand or power use. Read what F. E. Dawley, Director, Bureau of Farmers' Institutes, New York State, says of it:

"I would urge every one who keeps fowls to feed green bone if they are after profit, and from experience would say, get a Webster & Hannum Cutter to do the work with. I am not at all interested in the sale of the W. & H. Cutter, and have paid full price for the one I use, so have no axe to grind." F. E. DAWLEY.

Mr. Dawley raises poultry "by the acre." The only Bone Cutter receiving award at World's Fair, Chicago. Send for our free booklet, whether you keep poultry for pleasure or profit.

E. C. Stearns & Co., Box 6, Syracuse, N. Y.

Tucson, Ariz. This Station does not anticipate making any experiments in the poultry line the coming season. The poultry industry seems to be keeping pace with other industries as to increase.—*C. S. Parsons.*

College Park, Md. We shall not take up any poultry experiments this year, but the interests in the state is increasing, and we have in contemplation some work of this kind as soon as fitted for it.—*H. J. Patterson.*

Ithaca, N. Y. We have a small poultry plant, and are constantly at work in various experimental lines. We are engaged at present, and will be for the present season, on cramming fowls, and in some experimental process.—*H. H. Wing.*

Durham, N. H. We shall probably not begin poultry experiments during the coming season, but are at present engaged in analyzing commercial foods. We can give no reliable information about the poultry industry in this state.—*Fred W. Morse.*

Lafayette, Ind. This Station has for two years past conducted some feeding experiments on young growing fowls. This same work will be continued this spring and summer. The influence of skim-milk on growth has engaged our special attention.—*C. S. Plumb.*

Ames, Iowa. I regret that we have not been able to take up the poultry work of this Station for the reason of lack of funds necessary to equip a department. We fully recognize the importance of this industry and hope to include it in our work in the near future.—*C. F. Curtiss.*

Agricultural College, Mich. We shall carry on experiments this year—first, along the line of airing and cooling eggs in incubators; second, along feeding experiments with chickens and laying hens; and, finally, along certain special lines of feeding for fattening.—*C. D. Smith.*

Agricultural College, Miss. This Station will not do any work with poultry this year. As everywhere else the poultry industry in this state is a very important feature, but one that is quiet in its nature and does not attract very much attention ordinarily, but on every farm there is to be found a greater or smaller number of chickens.—*W. L. Hutchinson.*

New Orleans, La. Our Station has been making experiments in poultry for some years, mainly testing varieties of chickens, together with the use of incubators in raising early broilers for the spring market. Our great trouble in furthering this is to find an expert who is sufficiently acquainted with all the details of poultry raising to carry on successfully our experiments. The poultry business in this state is on the increase.—*W. C. Stubbs.*

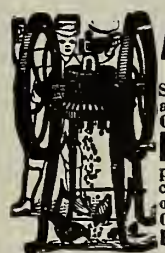
Geneva, N. Y. We expect to continue experiments with poultry. Those for the year will be mostly feeding experiments with young fowls. We shall continue some breeding experiments. We have no recent statistics which enables us to be certain as to the growth of the poultry industry, and statistics in this line are not readily obtainable. I have no doubt, how-

ever, that the poultry industry is on the increase.—*W. P. Wheeler.*

Orono, Me. The chief experiments on poultry at this Station now under way is the study of the individual hen, her product and her feed. Nests are so arranged that we may know exactly the eggs produced by a given hen. Formerly we have improved our flocks as other people have by studying flocks. We are now extending the same work to the individual bird. There are no adequate statistics for answering the last inquiry.—*C. D. Woods.*

Agricultural College, N. D. We are making no experiments with poultry beyond keeping several varieties of fowls and handling them for eggs. There is some interest manifested in the state, but not what it should be, nor are we prepared to do much at the present time here. The institution is a new one, and we cannot cover the work we should at this time. I am convinced, however, that it would be a great benefit to the people of the state to pay large attention to poultry and we hope to do so by another year.—*J. H. Worst.*

St. Anthony Park, Minn. The poultry industry (certainly the interest in poultry) is on the increase in Minnesota, if we may judge by the inquiries coming in from all parts of the state. We shall continue to experiment with incubators and brooders as compared with the natural method; caponizing; feeding for eggs; duck raising; heat vs. no heat for winter egg production, etc. All experimental work has reference to what should be done by the farmers rather than the fancier. In our school we have a class of 84 students taking instruction in poultry.—*Jas. M. Drew.*



A Business Hen

MUST HAVE A WORKING CAPITAL. She can double her production of eggs if assisted a little. Green Cut Bone and Mann's Granite Crystal Grit makes the best working capital.

Mann's New Bone Cutters prepare the bone in the best and most economical way. Ask anybody for testimony. Cash or on installments. Also manufacture Clover Cutters and Feed Trays. Catalogue Free. F. W. MANN CO. Box 67, Milford, Mass.

Prize Winning Barred Plymouth Rocks

Ten Pullets bred and owned by me average score over 94 points each, and the birds that bred them are in my this seasons breeding yards.

Utility Prolific Layers.

Cockerels bred from Red Headed Brown Eggs, \$3.00 to \$5.00 each. F. E. COLBY, Bow Mills, N. H.

ORR'S CLEAR GRIT—STANDARD FOR QUALITY

Aids Digestion and Prevents Disease. Two sizes, fowls and chicks, 100 lbs, 75c; 500 lbs, \$3. Crushed oyster shells, two sizes—100 lbs, 75c; 500 lbs, \$3. Woodhird Farm cut clover hay—100 lbs, \$2; 50 lbs, \$1. Pioneer clover meal—100 lbs, \$2; 50 lbs, \$1; 5 lbs, 25c; Orr's chick meal—100 lbs \$2.50; 50 lbs \$1.50; 25 lbs, \$1. Orr's egg producer (a food)—100 lbs, \$1.50; 50 lbs, 80c. Cracked wheat (first quality)—100 lbs, \$2.25; 50 lbs, \$1.25. Beet scraps—100 lbs, \$3; 50 lbs, \$1.75. Charcoal—10c per lb. Bowker's animal meal—100 lbs, \$2.25; 50 lbs, \$1.25. Bradley's superior meat meal—100 lbs, \$2.25; 50 lbs, \$1.25. Smith & Romaine's B. B. B.—100 lbs, \$2.25; 50 lbs, \$1.25. Cracked peas—100 lbs, \$3.00; 50 lbs, \$1.50. Poultry wire netting cheap; send for price. American Standard of Perfection, postpaid, \$1. Incubators, brooders, etc., at factory prices. **White Wyandottes and White Indian Games**—For the farmer, broilerman or fancier they are unexcelled. **White Crested Black and Buff Laced Polish**—The most beautiful of all the feathered race. **Light and Dark Brahma Bantams**—The king of all Bantams; imported stock; grand quality. Send for booklet and special ton rates.

D. LINCOLN ORR, ORR'S MILLS, N. Y.

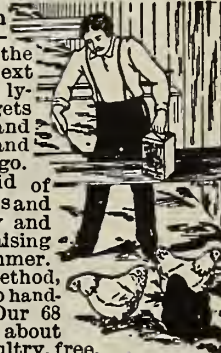
Fort Collins, Colo. Our Station has never done anything as yet in poultry experiments, although we have had the matter under consideration a number of times. The fact is that we have no one who is thoroughly well qualified to undertake such work, and again we have not the means to widen our present field of effort. I know, personally, however, that the poultry industry is assuming greater interest in this state, and there are a number of persons who, on their own account, are making poultry raising a successful business. C. E. Lull and Logan Clark are two of our citizens who are regarded as very successful handlers of chickens.—*Alston Ellis.*

Barred Ply. Rocks.

Layers of large, dark brown eggs. Stock is first-class, nicely barred, healthy, well matured, and is not inbred. My prices are about one-half what I have paid prominent breeders for same quality. Eggs, \$1.50 per 13. Selected brown eggs for incubator, \$6.00 per 100. P. B. METCALF, No. 36 Lawrence Ave., Roxbury, Mass.

Lee's Lice Killer

don't have to be taken on faith as to results. A liquid,—you simply paint it where the fowls roost at night and next day you can see the dead lice lying on the painted boards. It gets them all, body lice, mites and other bugs and insects, and shows you where the profits go. Seeing is believing. Get rid of mites and lice on the old fowls and about the poultry house now and you will have no trouble raising chicks in spring and summer. Cheaper than any other method, (only 75c for a gallon can), no handling of fowls, no labor. Our 68 page catalogue telling all about "Insects" and diseases of poultry, free. Special sample offer to points where we have no agent. More agents wanted. GEO. H. LEE CO. Omaha Neb., or 68 Murray St. New York.



THE F. P. C. CHICK MANNA

TEN DAYS' FOOD For Little Chicks when first Hatched. Tested, proven productive of QUICK, STRONG, HEALTHY GROWTH

Highly Prized by POULTRY RAISERS.

Send for Descriptive Price List of the F. P. C. PREPARATIONS for POULTRY, HORSES, CATTLE, Etc. MANUFACTURED ONLY BY

F. P. CASSEL, Lansdale, Pa.

Sold in the east by Joseph Breck & Sons, Boston; Excelsior Wire and Poultry Supply Co., New York City; Harvey Seed Co., Buffalo, New York; Johnson & Stokes, Philadelphia, Pa.



POULTRY SUPPLIES

We carry in stock everything which goes to improve the condition of the poultry yard and make poultry more profitable.

All kinds of prepared foods, grit, insecticides, &c.

A complete line of appliances, bone cutters, incubators, clover cutters, drinking fountains, &c.

Cut Clover Hay.

Best second crop clover, ready to feed, \$1.75 per 100 lb. Sack.

Write for what you want—we have it. Free illustrated catalogue upon request.

HARVEY SEED CO., 35 Ellicott Street, BUFFALO, N. Y.

Amherst, Mass. This Station will make poultry experiments during the coming season. The points upon which we will endeavor to obtain light are following:

1. The relative merits for egg production as well as table fowls of the three breeds, Barred Plymouth Rock, White Wyandotte and Black Minorca.
 2. The proper feeding of hens of these breeds for eggs. We are now making a comparison with the three breeds named above of a Wide vs. Narrow Nutritive ration; the first obtained by substituting corn in the whole grain allowance for wheat and oats.
- Replying to your second inquiry, the poultry industry in our state is undoubtedly on the increase. Poultry products, according to census of 1885, \$2,227,799; 1895, \$3,871,318.—*Wm. P. Brooks.*

Raleigh, N. C. The Poultry Division of several years ago was placed under the Division of Agriculture, early in the reorganization in 1898, but the work was practically continued. The main work undergoing investigation was the comparison of breeds for this section under our condition. Cheap houses and appliances were at first adapted as shown in bulletins, and these are used. The work is acting as designed to lead to a better appreciation of the poultry interests, and to induce and help people to improve the breeds kept on farms. We have reason to believe the middle course pursued is having a decidedly advantageous effect, and that the field for activity among fanciers is being enlarged. At the same time the Station feels the effect somewhat, and has endeavored to push up prices some in order to make more sales help out in the way of expenses. In some cases this year there will be not only breed vs. breed, but pullets vs. hens within the breeds as well. We found some obstacles which interfered with the smoothness of comparisons, but hope to avoid same and overcome others.

To recapitulate, the work of this Station is mainly:

1. A comparison of breeds for the benefit of farm poultrymen, with (a), Light Brahmas, Black Langshans and Buff Cochins in their class. (b), Single Comb Brown Leghorns and Black Minorcas. (c), Barred and White Plymouth Rocks and Silver and White Wyandottes.
2. Some experiments in feeding will be done, besides feeding of these yards of fowls which is carefully watched.
3. Some other feeding experiments will be conducted.

It seems easy to overload with things which might be done, and we feel like asking of those who have had large experience in the business for some suggestions as to lines of work of greatest need among constituents that we might take up, or perhaps work out some points on, as incidental in prosecution of the main work of the Station.—*Frank E. Emery.*

[This Station, in order to help out its expense account, sells eggs for hatching from the various breeds on hand. This seems to us an excellent idea.—*EDITOR.*]

Ducks and Ducklings.

Here is a Collection of Valuable Points Taken from the Experiences and Writings of Such Experts as Hall, Rankin, Pollard and Others—They Should be Closely Read and Studied by Our Duck Lovers.

Keep the pen dry and clean. Ducks suffer most in the feet. Even ducks cannot thrive in filth. See that the ducks are kept well bedded. Provide suitable shade for the ducklings. Keep the brooder and yards perfectly clean. Use care in the selection of the breeding stock. Fertility and vitality are the keynotes of success. The early-hatched ducklings are best for breeding. Duck manure ranks next to hog manure for gardening. Too much range is a detriment in raising market ducks. Mix small (chick-sized) grit with the morning mash. During laying season feed heavier than when not laying. For the first month or so the eggs will not be very fertile. Ducklings should be kept in the brooder house about three weeks. Yarded ducks should be constantly supplied with drinking water.

In ducks eggs, especially, the fresher the egg the better the hatch.

Keep a box of cracked oyster shells constantly within reach of the duck.

Never put more than 50 ducklings in a brooder—a less number the better.

For 50 birds (being grown for market) the yard room should be about 30x50 feet.

Too much moisture is as dangerous in hatching duck eggs as it is with hen eggs.

After the ducklings are a week old, it is not necessary to cook the food for them.

Cut clover hay, cooked or scalded, is an excellent green food for mixing in the mash.

Eggs for hatching should be kept as near 60 degrees of temperature as possible.

One great virtue in bathing water for breeding ducks is that it gives them needed exercise.

WHITE WYANDOTTES.

Eggs, \$1 per 13. Wm. F. Stroud, Merchantville, N. J.

BRD. and W. P. Rocks and W. Wyand.; handsome brown eggs from first-class stock; not inbred; \$1 for 13, \$4 per 100. E. D. Barker, Westerly, R. I.

Poultry Farm for Sale. 21 acres; 15 cleared. Buildings to hold 150 hens; incubator cellar; brooder house; fruit. Price, \$1900. Write. WINFIELD DARLING, So. Setauket, L. I., N. Y.

Black and White Langshans

Best winter layers. Standard bred with strong utility qualities. 17 first and second prizes won this season. GEO. P. COFFIN, Freeport, Maine.

Runs on Ball Bearings

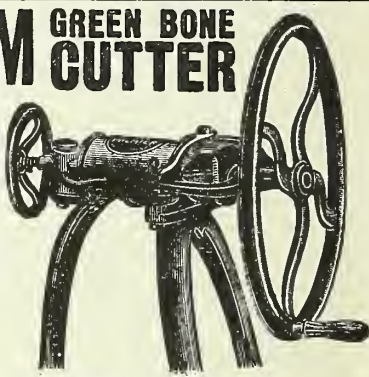


OPEN TO FILL.

THE ADAM GREEN BONE CUTTER

Formerly the Premier
Is the only Green
Bone Cutter in the
world fitted with
ball bearings.

That is the reason why it turns more easily than any other. Another reason is that the knife works on the shoe plate principally—it really cuts the bone; it doesn't gouge it off in chunks. Cuts all kinds of bone, hard, soft, fresh, dry, etc., without choking. Needs no cleaning—cleans itself. The knives are



READY TO CUT.

made of high-grade steel and are easily kept in order and may be renewed when necessary. The machine is unusually well built. Endorsed by all leading poultry authorities. All about it in our illustrated and descriptive circulars—they are free. Don't buy a bone cutter until you have seen them.

W. J. ADAM, JOLIET, ILLINOIS.

Poultry Supplies:

BOILED BEEF AND BONE,
BOWKER'S ANIMAL MEAL,
BRADLEY'S MEAT MEAL,
BEEF SCRAPS,
OYSTER SHELLS,
MICA CRYSTAL GRIT,
ORR'S CLEAR GRIT,
DRINKING FOUNTAINS,
CONKEY ROUP CURE,

FEED TRAYS,
LEG BANDS,
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RABBITS, CATS, PIGEONS, ETC.
SHERIDAN'S CONDITION POWDER,
PRATT'S POULTRY FOOD,
LEE'S LICE KILLER,
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SAFETY AND PRIME EGG CASES,
MEXICAN MUSTANG LINIMENT,
P. D. Q. FLEA POWDER,

GREELEY ROUP AND CHOLERA CURE,
LAMBERT'S DEATH TO LICE,
JOHNSON'S ANODYNE LINIMENT.

Sole Manufacturers BANNER EGG FOOD and TONIC. Small Sample Free.

New York and Export Agents for the Prairie State Incubators and Brooders.

Our Immense Illustrated Catalogue Free. Mention A Few Hens.

Excelsior Wire and Poultry Supply Co.,

W. V. RUSS, Proprietor.

28 Vesey St., New York City.

Pollard believes in washing dirty eggs in lukewarm water, and carefully drying with a cloth.

Rankin says, in hatching duck eggs, it is always best to introduce a little moisture just before the hatch.

About now is a good time to allow the ducks to remain outdoors at night if they wish. Keep the house door open.

A. J. Hallock says the brooder hover should have 90 degrees temperature, and that of the room about 80 degrees. Keep a lantern or lamp burning in the duck yard at night. Ducks will remain more quiet when not entirely in the dark.

Hallock does not allow his young ducklings (up to two or three weeks old) outdoors so long as they are in the regular brooding house.

Geo. H. Pollard says eggs that produce 65 to 80 per cent. of strong fertility, according to the season, are good; 70 to 75 per cent. is excellent.

The brooding pen should be 7x10, including the hover; the hover, 2x7 feet. The floor should be earth with about an inch of good bedding on it.

A. J. Hallock says it costs five cents a pound to feed ducks up to 10 weeks of age—two cents for help, two cents to market, and three cents for eggs, insurance, etc., making a total of 12 cents a pound. All over that amount is clear gain.

Geo. H. Pollard, in "Artificial Incubating and Brooding," says: "In breeding ducks—other things being equal—it will be found that a water range will conduce very materially to a greater fertility in the eggs, and to a stronger and more healthy germ."

The four ducks belonging to F. Christman, Sellersville, Pa. (an advertiser in A FEW HENS), whose heavy laying we noted in past issues, completed the year January 16, with 572 eggs to their credit. Mr. Christman also has a strain of Brown Leghorns which gave him an average of 187 eggs per hen for the year.

James Rankin, in the *Feather*, says: "The amateur can depend on one thing, and that is, that a well-bred Pekin duck is under perfect control, and if she does not promptly respond to generous feed, care and treatment, there is something wrong about it. I have never found it to fail in an experience of nearly 40 years."

Pollard says: "Many breeders feed only at stated times from the beginning, but we have found it saves time and trouble, and the ducklings do quite as well when we leave the food before them. After the third day they are fed four times a day, rather more than they will clean up at once. From the first they have water during the night as well as the day. It is one of the prettiest sights of the whole business to see a string of downy, little, yellow chaps, travel to and from the water fountain in a moonlit brooder building. They glide like quaint, little shadows and converse in quiet little peeps of contentment."

Geo. H. Pollard, in "Artificial Incubating and Brooding," says: "When the eggs begin to hatch let them strictly alone. Do not try to turn the pipped

sides up, and, above all, do not open the machine every few hours to see how they are getting along, or to show inquisitive friends how cunning the little dears look coming out of the shells. After the hatch is fairly well over, and the ducklings nearly or quite dried off, open the machine and quickly take out a tray and cover with a thin woolen cloth. Look the eggs over carefully, and if any are discovered cast in the shell, or with head lightly caught, break away enough of the shell to allow the little bird some freedom of movement and return the tray. Frequently these birds will break through and prove as lively as those earlier hatched. Do not, however, help too much. There is always a percentage of ill-hatched chicks that live only long enough to count one hatched, and then die with their duty fully done."

A. J. Hallock, in "Artificial Incubating and Brooding," says: "It is absolutely essential to success to keep the ducklings warm and comfortable, and their quarters clean. Ducklings that are not kept warm enough can not grow and have a thrifty, healthy appearance; they will be far from it. They will have—we will call it rheumatism—for want of a better name. The symptoms are: The beaks get very pale and soft and grow faster than the ducks. They stand around in a listless manner with backs

humped up, and the down standing out straight. The feet and legs get colorless and stiff, and in severe cases they lose control of them entirely. When in this condition the cheapest and quickest cure is a good sharp hatchet applied to the neck. When they have not had sufficient grit and have indigestion they will show some of these symptoms, but not all of them. In fact, a duckling's down will stand up when it is not perfectly well and happy. On the other hand, they must not be kept too warm. The extremes are to be avoided. We can have no 'cast iron rules.' It is necessary to exercise a little judgment. With a bit of close observation any one can soon tell at a glance whether everything is right with the ducklings."

A BARGAIN IN White Wyandotte Blue Barred Rock EGGS

None better in fancy and practical qualities. Eleven very choice matings. These yards contain all the best birds we raised last season, carefully selected for their fine qualities in form and color, from about five times their number.

Eggs, \$1.25 for 15; \$2 for 30; \$6 for 100.

SPECIAL OFFER:

Barred Rock Pullets, large, vigorous, matured, yellow legged, six (6) lbs. or over, \$1 each; 12 for \$10.

We know we are giving far greater value for the money than is generally given. Let us hear from you.

MILES BROS., Spring Hill, Pa.



"Froze to Death

in that cold snap" has been the verdict on many a luckless brood of chicks. The fault was in the brooder. If they had been bred in

The \$5.00 Champion Brooder

they would have come through all right.

"The Champion Is Known by Its Work"

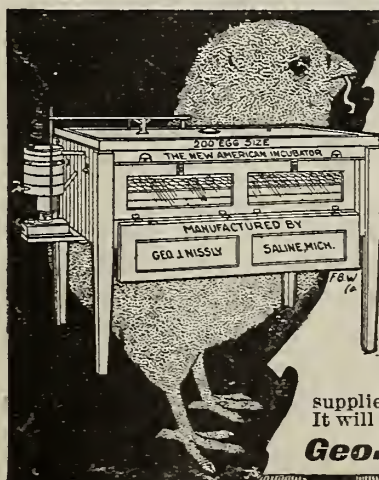
and brings its brood successfully through, even in zero weather. Best authorities say it is perfect. Don't buy a brooder until you get our catalogue and endorsements.

J. A. BENNETT & SONS, Box H. Gouverneur, N. Y.

RABBITS

THE ONLY LOW-COST BOOK ON THE RABBIT ever published to our knowledge, is "The Rabbit: How to Select, Breed and Manage the Rabbit for Pleasure or Profit," by W. N. Richardson, Secretary of the American Belgian Hare Club, and a man of long experience with Rabbits. Second edition now ready, nicely illustrated, enlarged and much improved. Price 25 cts, or with AMERICAN POULTRY ADVOCATE one year 40 cts.

CLARENCE C. DEPUY, Publisher,
314-320 East Onondaga St., Syracuse, N. Y.



"EVERYTHING FOR THE POULTRY YARD."

DO YOU WANT

A Successful Business Incubator or Brooder?

THE NEW AMERICAN

are high grade, moderate priced machines, built upon honor and sold under a positive guarantee. Do you want

POULTRY SUPPLIES?

We are headquarters. Most complete stock. Lowest prices. Pure Bred Poultry and eggs for hatching. Send 4c. in stamps for Nissly's 1899 Poultry Annual and Catalogue of "Everything for the Poultry Yard," nearly 100 pages, finely illustrated; tells all about Michigan Poultry Farm, our stock, supplies, etc., and gives valuable information on the care of poultry. It will pay you to have it. Established 15 years.

Geo. J. Nissly, 17 Adrian St., Saline Mich.

A FEW HENS.

EDITED BY
MICHAEL K. BOYER,
Hammonton, N. J.

Published Once a Month.

Sample Copy Free.

Price, Monthly Three Cents.

By the Year, Twenty-Five Cents.

Send all orders to

I. S. JOHNSON & CO., Boston, Mass.,
PUBLISHERS.

ADVERTISING RATE:

The rate per agate line is 15 cents each insertion; or 10 cents per line if order is for six months or more. About seven ordinary words make one line. There is fourteen lines in each inch space, single column.

Entered at the Post-Office at Boston, Mass., as second-class matter, by I. S. Johnson & Co., Publishers, 22 Custom House St., Boston, Mass.

EDITORIAL.

Business Improving. We are right in the midst of a big egg trade. Poultry breeders are reporting more business to date this year than they have booked for similar period for some years back. The industry has received a substantial boom. It has been proved, beyond the shadow of a doubt, that there is a big profit in poultry culture when handled by men of good business principles. As an industry it is stable. The demand for table eggs and meat increases annually. The state experimental stations have kept up the subject, and by their experiments and bulletins are opening up new lines of trade. They are acquainting farmers and others of the fact that with thoroughbreds, proper feeding, and suitable housing and care, the poultry crop can be made the most profitable crop on the farm. The agricultural papers are securing practical men to edit their poultry departments, and the result is the farmer is taught to adopt better methods, and to keep better stock. All these agencies are making more business for the man who can honestly advertise breeding stock and eggs for hatching, from strictly utility birds. The average buyer does not care for "points"—high scores are no temptation. What he wants are great utility records. They mean bread and butter for him. Of course, thoroughbreds are wanted, and not only must they be pure in blood, but they must have the characteristics of the breed. For instance, much as we consider the feathers on the legs of the Asiatics as useless, it is a trade mark that must be with them. Just as imperative is it to sell rose comb Wyandottes instead of single combed ones, and so on.

That is the class of buyers in the market. Do you want to reach them? Do you want to secure their trade? They have the ready cash. They are looking over the advertisements in search for such stock, and the man who can give them the best inducements will catch their orders.

How can you reach these buyers? Go right to the fountain head. Go right to the medium that every month is read principally by the farmers and those interested in poultry farming. That paper undoubtedly is A FEW HENS. That's

not an idle boast. Note the testimonials we give each month. We wish we had room to publish them all, but we have not. Hardly a mail reaches us without having in it letters of praise from our advertisers and subscribers.

Positive Proof. Last month we told how the 20th Century Manufacturing Company, St. Louis, Mo., profited by an editorial notice we gave them. We also mentioned that we gave this notice—regardless of the fact that they did not advertise with us—solely on the merit of their goods. That write-up made business for the 20th Century Company, and it made business for us. They have, in consequence, opened up a new line of trade—they have been introduced into a field cultivated by no other publication. They have had their eyes opened. That write-up made business for us: it brought us a new customer—the 20th Century Company have taken out a contract. They are with us:

"We most sincerely agree with you 'in the statement—'An advertisement in A FEW HENS will pay.' 'We have proof positive to hand in 'a substantial way.'"

Did Her Share. Niagara Farm, Ransomville, N. Y., is here again with more praise. The proprietors write:

"We are breeding nothing but 'pure White Wyandottes and mammoth Pekin ducks. Have sold all 'our other stock except a few White 'Indian Game cockerels, and A FEW 'HENS did her share in selling 'them.'"

Just how great that "share" was, our readers can imagine by looking over the testimonials Curtiss Bros. gave us in past issues. We can make business for just such men, for they have a reputation for good stock, reasonable prices and fair dealings that has never been disputed.

No Better Can Be Found. Here is a testimonial from Miles Bros., Spring Hill,

Pa., who are using advertising space in A FEW HENS. Last year they had a small card in the paper, and agreed that if it paid them they would be with us this year. They are here, and in a much larger space. It is the old story: "They know a good thing when they see it." Read what they say:

"We are well pleased with A FEW 'HENS, both as a poultry paper and 'an advertising medium, and do not 'think any better can be found. For 'money expended, it has brought us 'at least twice the business any 'other paper has.'"

Now we just wish to ask: If the paper has paid, and is paying those that are in it, why will it not pay you? Are you willing to give A FEW HENS a trial? Are you willing to reap some of this harvest? "Now is the accepted time."

What Mr. Drev- Who does not know Judge J. H. Drevenstedt, the talented editor of the *American Fancier*, Johnstown, N. Y.? Mr. Drevenstedt, although a thorough fancier, always has utility at heart, and never loses an opportunity to call a halt on fanciers when they are working for

"points" to the detriment of the utility qualities of the breed. Such men like Drevenstedt, Brown, Felch, and some others, are not so thin-skinned that they cannot see features in a bird not strictly standard-bred, and the practical side has much to be thankful for that they have such true champions. Mr. Drevenstedt is a close reader of A FEW HENS, and in his February 1st issue says just what he thinks about our efforts, for which our hat is off:

"The evidence of prosperity that teems on every page of A FEW HENS proves that Uncle Mike Boyer is getting out a bright, readable and valuable paper. It is 25 cents well invested."

How A Few Hens Fills the Bill. Here is a testimonial from W. H. Bryant, of the Aetna Life Insurance Com-

pany, Hartford, Conn., which deserves more than passing notice:

"I am indebted to Mr. Merritt, who is in our office, for an introduction to your very practical, business-like and valuable poultry publication, and all for a nominal sum per year. Nowadays time is of great importance to most mortals, and any reading matter that does not give an equivalent for time expended is surely not profitable reading. A great deal of rubbish, or reiterated facts that every one has known from boyhood on the subject of poultry, constitute too often the main substance of many poultry publications. They lack originality, freshness, modern, increased and new facts on the subject which they treat. I like your little paper for the very reason that it seems new in the matter of advancing facts and theories, and uses no unnecessary words. It is up-to-date, abreast of the times, bright, condensed in its phraseology and explanations of all it treats upon. It requires no task, no effort, to recommend such a paper, and success is as natural a consequence for such a publication as the positive and easily arrived at truth that two and two makes four."

From One of Our Brave Soldiers. The following excellent endorsement is from one of our brave soldiers—the

men ready to leave friends and home to fight for our cause. J. H. Hughes, stationed at Camp Albert G. Forse, Huntsville, Ala., writes:

"A FEW HENS and the book *A Living from Poultry* received. Am more than pleased with them. A FEW HENS is certainly a valuable addition to our poultry literature. Happily, no fancy and pet schemes and theories are found to deceive the beginner. I was more than interested in the account rendered for the eleven months' work of your poultry. The remarkable showing by the White Wyandottes justly places them second to none for meat, broilers and eggs. All honor to breeders, like the editor, who have developed this most popular breed—not for feathers and fancy points alone, but for utility as well. Have keenly watched the advancement of this breed with more than ordinary interest. Thousands of your friends in all parts of the United States will, this coming season, look to A FEW

HENS to help them along, to inspire them to greater exertions, in making their birds pay a substantial profit. *A Living from Poultry* is interesting as well as instructive. Many valuable hints, how to start right in the poultry business, where only a few hundred dollars are at the command of the beginner; also how to proceed in feeding, housing, hatching and rearing young stock, are indeed most valuable. Where it describes such as have sacrificed their plants, migrating, never being satisfied where they may have been located, A FEW HENS to such will indeed be a God-send. Many have failed by not commencing right from the start, others are still in the business, producing the best that experience, money and brains can devise, making a handsome living from poultry. Accept congratulations for the able manner in which A FEW HENS is gotten up."

And Still Edward Brown, Detroit, Mich.: "A FEW HENS is a peach."

Jas. McClintock, Detroit, Mich.: "We want to say that A FEW HENS contains some of the spiciest bits of news and hints as one seldom finds."

Louis F. Burgess, Bridgewater, Conn.: "I wish to express my appreciation of your paper both as to its concise, meaty and available matter, and as to its neat form and typographical appearance. Moreover, your experimental work and reports are calculated to be of great value to the poultry fraternity—that is, to the mighty utility wing of that fraternity."

James H. Scott, Windham Depot, N. H.: "I have taken A FEW HENS one year, and like it very much; would feel lost without it."

Dr. J. H. Casey, Kansas City, Mo., ex-editor *Poultry Culture*, in sending in a two-years' subscription: "May it continue, as in the past, to be the best all-round poultry paper published."

E. C. Holton, West Deering, N. H.: "Your A FEW HENS idea hits the busy man who dabbles in poultry, and is my idea of what a busy man's daily should be—a *multum in parvo*. It's to the point—a double yolked egg—lots in one shell."

G. W. Garlick, Wood Falls, N. Y.: "Had a copy of A FEW HENS handed to me the other day, and like its business like tone. Enclosed find 25 cents—put me down for one year's subscription."

Wm. I. Foster, Lenox Dale, Mass.: "Enclosed find my renewal. I could not get along without A FEW HENS, as several numbers have been worth dollars to me."

H. C. Beers, proprietor Clovercroft Poultry Yards, North Haven, Conn., in ordering the combination of four papers and two books for \$1.25, as advertised: "Am pleased with these papers—A FEW HENS in particular. It is a good combination."

Arthur D. Gue, Pittsburg, Pa., in renewing his subscription: "Think A FEW HENS is just the thing for us who have but a few hens."

W. T. Dick, Franklinville, N. Y.: "I like A FEW HENS because it is to the point. You do not have to wade through a lot of matter put in to fill space, to find out what you want to know."

C. L. Coen, Wheeling, W. Va., in enclosing the subscription of a friend: "I take great interest in chickens, and as you have a fine newsy paper in A FEW HENS, want him to have it."

O. W. Clark, Cable, Ohio: "We consider A FEW HENS all O. K."

James E. Hill, Rock Springs, Wyo.: "A FEW HENS gives details, hints, etc., in a manner that is decidedly unique and refreshing."

Wisconsin Poultry Yards, Waukesha, Wis.: "Your paper continues steadily to improve. We think the January number better than any of its predecessors."

W. J. Gilbert, Leicester, N. C.: "A FEW HENS has got more practical information in it than any poultry journal published. It is up to date."

Otta Linnartz, San Antonio, Texas, in sending in his subscription: "I saw a copy of A FEW HENS and wish to say it is one of the best little papers treating on poultry I ever saw."

J. A. Ainge, Dover, N. J.: "I like A FEW HENS best of all the poultry papers I take. It is right to the point."

Mrs. Sarah G. Hoffman, Stonersville, Pa.: "I have been reading A FEW HENS the past year and I do not think I can do without it. It has taught me a great deal. So please find enclosed renewal."

H. L. Nye, Charlestown, R. I., writes that he finds he made a good investment in subscribing for A FEW HENS.

Dr. A. F. Ruble, Inverness, Ohio, writes that he has been a subscriber since the first issue, and is interested in our 2-acre experimental farm.

S. F. Eliren, New Orleans, La.: "Your little paper is just the one for me. I have read regularly five poultry papers, and good ones at that, during 1898, and must frankly confess that I waited with more eagerness for each issue of your valuable paper than for all the others. And just because everything (or subject) has a fixed place under one heading, and I can find just what I want without a minute's waste of time. This feature alone would recommend the paper to all busy people who can't find time to wade

Wyckoff strain, great egg producing S. C. W. Leghorns. 15 eggs \$1. W. J. Kilts, Milford, N. Y.

Hens lay eggs

when fed with the things eggs are made of. Eggs are principally albumen, produced by the hens from the protein they absorb from their food.

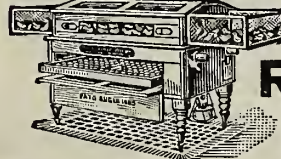
Bowker's Animal Meal gives the hen more protein and other egg-making material than any other similar food. Always sold in yellow bags and yellow packages.

For sale by dealers and by the manufacturers. Large package 25 cts. Pamphlet free.

The
BOWKER
Company
43 Chatham St. Boston.

B. P. ROCKS, farm raised. Eggs, 13 for \$1.00. Sat. guaranteed. F. L. Bradley, Charleston, Me.

THE HATCHING HEN



HAS LOST HER OCCUPATION
and in the production and brooding of chicks she has been supplanted by the better and every way

RELIABLE INCUBATORS and BROODERS.

They Hatch and Brood when you are ready. They don't get lousy. They grow the strongest chicks and the most of them. It takes a 228-page book to tell about these machines and our Mammoth Reliable Poultry Farms. Plans for poultry houses, best way to handle, feed and market fowls, etc.

Sent on receipt of 10 cents.

RELIABLE INCB. AND BROODER CO. Box

, Quincy, Ill.

M. M. S. POULTRY FENCING

is thoroughly interwoven but has long horizontal wires, which classes it as

A FENCE, NOT A NETTING.

Like a fence, it can be properly stretched and erected with few posts and without top and bottom rails. Has cable selvage and a cable running through the fence every foot. Each roll contains the famous M. M. S. trade mark.

None other genuine.

We are manufacturers also of the following famous fences:
CABLED FIELD AND HOG FENCE

with or without lower cable barbed. All horizontal lines are cables.

STEEL WEB PICKET FENCE ideal fence for lawns, parks, cemeteries, etc. Steel gates, posts, etc. Everything the best of its kind.

DE KALB FENCE CO., 326 High St., DE KALB, ILL.



Pat. July 21, 1896. Pat. July 6, 1897.

through two or three columns of matter, but who could easily find time to read the same meaning in as short a paragraph as A FEW HENS puts it. A FEW HENS has struck home with me, and I heartily wish it all the success which it is sure to attain."

An Egg About the last speculation Corner. a man would expect to go into would be to corner the egg market. Certainly a man cannot hold the crop very long. The daily papers told us on the 24th of February, that the week before one H. D. Miller, of Philo, Muskingum county, Ohio, went to Pittsburg, Pa., and quietly bought up all the eggs in the market. He visited the commission houses and large groceries and succeeded in getting control of almost every egg in sight. He paid 21 to 22 cents a dozen, and had accomplished the whole task before the commission merchants became suspicious. Now the price of eggs is up to 35 cents per dozen, and will sell at 40 cents tomorrow. (Remember that was February 24th.)

Mr. Miller said: "I will make about \$5,000 out of the deal. I invested \$7,000. I knew the blizzard would freeze the combs and feet of the hens, and hens can't lay with their combs and feet frozen. I went out among the poultry farms and investigated before I came to Pittsburg."

On the same day, the papers reported the situation in Chicago as: "Never before in the history of the trade have prices been so high or eggs so scarce in February. One of the unusual phases of the case is that it is a natural 'corner.' Warehouses are absolutely bare of eggs and receipts are but a fraction of requirements."

P. H. Sprague, the Commission Merchant of Chicago, who furnishes A FEW HENS with daily market reports of that city, under date of February 22d, said: "An unsettled feeling continues to exist and the market proves to be as great an unsolved puzzle as ever. It is seldom that such changes as have occurred within one month are witnessed in the egg market. Many of the regular houses doing an egg business were entirely out of eggs, something that has not happened to them for years. Not in the history of the trade of some of the oldest houses on the street have such conditions existed as have developed within the past week or 10 days."

Bennett, Rand & Co., our Boston market writers, February 21 sent word that "at the close the market is almost entirely bare of stock."

February 23d they wrote: "We are having an irregular and uncertain mar-

ROSE COMB WHITE LEGHORNS, exclusively. Large strain; great layers. Buy the best. Cockerels, \$2.00 to \$3.00. Eggs, \$1.50 per 13. JOHN T. PHILLIPS, Dallas, Luzerne Co., Pa.

EGGS FROM PEN WHITE WYANDOTTES that have been laying since Nov. 14th, headed by cock from A. F. Hunter's great laying strain. \$1.25 per sitting. D. S. CLINGMAN, North Chicago, Illinois.

African Geese

(that are Africans) a specialty. The surest breeders of any of the large kinds. No exhibition stock now to spare. Good business birds for crossing for market production for sale. Put genuine African males with your large Tonlouse and Embden females or African females with your Embden males, if you want lots of the most marketable goslings. Particulars free. SAMUEL CUSHMAN, Pawtucket, R. I.

ket. Prices have been down and up again. The market is very nearly bare, and it looks like short supplies and high prices.

February 24: "The market was entirely bare of stock free to be sold at the close yesterday, and although every effort was made to obtain supplies from other markets, both east and west, the receipts were only enough to supply the most pressing wants of the trade. Supplies are short and high prices are the rule all over the country, and there is nothing to indicate any improvement in the situation for some days to come."

The reports from New York and Philadelphia were practically the same.

February 27th, P. H. Sprague informs us as follows:

"Considerable interest seems to center in the egg market. All of the small cities and country towns tributary to Chicago, and in fact in the far west, are feeling the effects of the egg famine, and are going through the experience which this market had last week. Chicago

STANDARD and business bred White Wyandottes and B. P. Rocks; eggs, \$1.00 per 15; \$1.75 per 30. T. B. BURDICK, Little Genesee, N. Y.

G. & S. & B. W. I breed Golden and Silver Laced and Buff Wyandottes. If you need any stock of above write wants. Lots of C.K.'s. All birds farm raised. Breeder since '84. F. S. Tenney, Peterboro, N. H.

90 varieties choice Poultry, Eggs, Pigeons and Hares. Natural colored 60-page book to above, and numerous information, for only 10c. Handsome price-list free. J. A. BERGEY, Telford, Penna.

OTTER CREEK POULTRY FARM, Vergennes, Vt. Light Brahmas, B. P. Rocks and W. Wyandottes; brown eggs and bred for business. Eggs that will hatch, 15 for \$1; 60 for \$3; 100 for \$4.

1st Cock, 1st Hen, 1st Pullet,

and one special for best Buff Rock cock, on three entries at Newburg, January, 1899. We breed Buff Plymouth Rocks only. Eggs, 1.50 per 13; \$2.50 per 26. FORD BROS., Oak Hill, N. Y.

for several weeks was the highest market east or west, north and south, and the high prices which then prevailed had the effect of turning consignments toward Chicago from all sections of the egg-producing country, which naturally resulted in the weakness which has developed the last few days. The market today was quiet, and prices 2 to 3 cents lower than those current Saturday. The receipts were again fairly large, the express wagons being fairly loaded with eggs, and the sight of these eggs passing through the streets naturally created an easy feeling and a desire to sell."

So that is the story of an egg corner and famine.



THE WINTER LAYER

will need a stimulant when the weather gets cold and everything is covered with snow. The very best stimulant known for egg production is

Pioneer Clover Meal

It is finely ground clover hay which has been carefully cured so as to preserve its natural green color and aroma. It is ground by our special made machinery and packed in new sacks. Prices, 50 lbs. \$1.00; 100 lbs. \$2.00; 5 lbs. 25c. Send for FREE sample book; endorsed by all leading poultry editors.

THE BENNETT & MILLETT COMPANY,
Box 11, Gouverneur, N. Y.

GILT EDGE FARM

Mammoth Bronze Turkeys,
White Wyandottes,
Black Minorcas,

B. P. Rocks and Pekin Ducks. Eggs, \$1.50 to \$2.00 per setting. New Book, "Practical Poultry Culture," 144 pages, 35 cents, post-paid. Thirtieth Annual Cat., free. R. W. DAVISON, Box 10, Glendola, N. J.

HATCH CHICKENS BY THE HUNDRED

WITH THE IMPROVED

VICTOR INCUBATOR



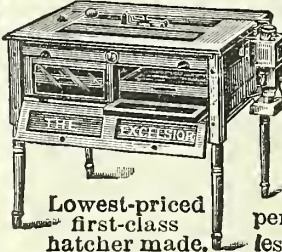
It is a pleasure to operate, absolutely self-regulating, needs no watching during day or night. Its hatching qualities are second to none. Thousands in successful operation; the simplest, most durable and cheapest first-class Hatcher in the market. A written guarantee is sent with each machine to be as represented or money refunded. Circulars free. Catalogue 4 cents.

Address **GEO. ERTEL CO., Patentee & Mfr., QUINCY, ILL., U. S. A.** Established 1867.

Hatch Chickens by Steam

with the simple, perfect, self-regulating

EXCELSIOR Incubator

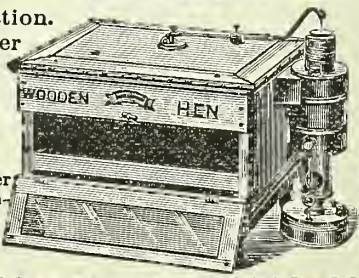


Thousands in successful operation. Guaranteed to hatch a larger percentage of fertile eggs, at less cost, than any other hatcher.

The WOODEN HEN

the most efficient incubator for raising poultry on a small scale ever invented. A perfect hatcher—automatic, self-regulating, thoroughly constructed, fully guaranteed. 50 egg capacity. Catalogs free.

Patentee and Sole Manufacturer **GEO. H. STAHL,** 114-122 S. 6th St., Quincy, Ill.



How the F. F. Youngs, Hens Helped. West Camp, N. Y., is the agent of that place for the West Shore Railroad. He is also the proprietor of the Telo-Alto Poultry Place, where strictly fresh eggs are made a specialty. The story Mr. Youngs tells of how the hens not only enabled him to hold his job, but also to continue to enjoy his pleasant home, is very interesting, and we give it herewith:

"I enclose herewith three 4-line advertisements for insertion in A FEW HENS. This will be my initial attempt in the advertising of eggs for hatching. Having some fine laying stock of White Wyandottes, that have done good work as winter layers, thought it would be to my advantage to follow your advice and make my bow in the advertising columns of A FEW HENS. I have already profited by your seasonable hints as to good commission men—Dulany & Branin procuring satisfactory prices for my choice Telo-Alto Strictly Fresh brand of table eggs, and I hope for good results from my first venture in your paper.

"This will be my third season with breeding White Wyandottes, and with each succeeding season my love for this practical utility fowl has increased, and I shall as steadily increase their numbers to my plant as means will allow.

"During the first ten years of my service as agent at this station, I kept a few hens of the Leghorn type to supply my own table with fresh eggs. About four years ago I injured my spine in handling heavy baggage so that heavy work had to be given up. As this being a one-man station, and no helper allowed, I was forced to decide either to go elsewhere and take a position of light office work and abandon a pleasant home (you know what that means), or hire a good strong boy as helper, and pay his wages from my own salary. Here is where the hen stepped in and helped to decide. With the few hens I had been accustomed to keep and foot bills for, I knew the credit balance was in their favor. Then why not make them help to pay the strong boy to do my heavy work by increasing their number, and enable me to retain my position and enjoy my home?

"It is sufficient to say the hens have had to shoulder the gun of expansion, and are nobly helping out to keep my salary intact after paying the helper boy. From six they have increased to nearly 100 head of layers, and the way the White 'Dots are doing business they will be the leaders of my poultry plant.

"Here is the record of a pen of 12 White Wyandotte pullets for the 24 days of present month (February): 211 eggs laid.

"For the same time 52 White Leghorns laid 177 eggs, and 39 White Wyandottes 466 eggs.

"It don't take much figuring to show loss in pocket on Leghorn product, with eggs at 30 cents per dozen, and raise the Dots several points as the hen for market eggs when blizzards rage and chill winds blow.

"But, Mr. Boyer, you are a busy man, and I must stop or you will class me as an inapt pupil to your teachings of brevity, which characterizes the make-up of A FEW HENS. Therefore I offer the glad hand, and wish you the full merit of success in your undertaking of launching so creditable and valuable a journal for the utility ranks of poultrydom."

* *

At the Bottom A FEW HENS all Round of the ways cautions Ladder. beginners to start small and go slow.

It is always best to begin at the bottom round of the ladder and carefully climb to the top. Men who begin and go in that style are the ones who generally succeed. It may seem easy enough to manage several hundred hens, and so it is for a man of experience, but the beginner must not lose sight of the fact that he has much to learn. He must like—

WHITE P. ROCKS and WHITE WYANDOTTES. Winners at the leading American shows. Great layers of brown eggs. Stock for sale at reasonable prices.

H. A. NOURSE, Box 1607, Barre, Mass.

BARRED PLYMOUTH ROCKS. A choice brown egg, heavy laying strain. Strong, vigorous money making birds. Pedigree Coburn-Hunter. Eggs, \$1.25 per 15; \$2.00 per 30. E. W. HARRIS, North Acton, Mass.

Ray's Buff P. Rocks

Are up among the best. I have bred them from almost the first; buying stock and eggs from the very best breeders in the country. Will sell eggs this season from choice stock at \$2.00 per 13. Mention A Few hens. A. E. RAY, Amherst, Mass.

TOBACCO DUST.

Just the thing to put in nests and in the dust bath. Hens like it. It kills the lice, and clean hens will lay better than lousy ones. Two pounds, 25 cents; five pounds, 50 cents; ten pounds, 75 cents. Sample by mail, 10 cents. W. HAHMAN, Box 3, Altoona, Pa.

AN EGG FAMINE

Can be avoided by breeding ANCONAS, the new variety admitted to the American Standard of Perfection last year. They are positively non-sitters and good egg producers. In plumage, they are mottled, black and white. In type, size and station, they resemble the Leghorn. They are handsome and active.

Where to get Good Stock.

THE CLINTON POULTRY YARDS

Tiffin, Ohio, breeds this variety and has eggs for sale as follows:

First pen led by Wellington I, winner at every show where exhibited; three years old. Won at Toledo, Ohio this year, Butterfield, judge, 91 points. Eggs from this pen, \$3.00 per 13; 26 for \$5.00.

Second pen led by Wellington II, score 94. Eggs, \$2.50 per 13; 26 for \$4.50.

Third pen led by cockerel, good bird but no show record. Eggs, \$2.00 for 13. No discount for larger orders from this pen. Orders filed in order received.

CLINTON POULTRY YARDS, Tiffin, Ohio.

RICE'S LICE PAINT

FOR POULTRY, LIVE STOCK AND HOUSE PLANTS.

Kills Lice, Mites, Fleas, Ticks and Bed Bugs. Easy to use—Certain to kill. Will destroy all the lice in your poultry house and on your fowls in one night, by simply spraying or painting the roosts, nest boxes, dropping boards and floor. Cannot injure the fowls. Cheapest Lice Destroyer on the market. HALF GAL. CANS, each 50 CENTS; GALLON CANS, each 75 CENTS.

Send for circulars and testimonials describing this wonderful Paint.

For sale by JOSEPH BRECK & SONS, Boston, Mass.; HARVEY SEED CO., Buffalo, N. Y.; C. C. RICE & CO., 178 Michigan Street, Chicago, Illinois.



wise consult his capital, and under no circumstances should fail to lay aside a certain amount for working purposes.

A FEW HENS has received a letter from two gentlemen residing in Detroit, Mich., who are starting a plant with a few hens and a limited amount of capital. They start with pure breeds, in itself a good foundation. Three White Wyandottes and three Light Brahmas have been purchased from reliable and well known breeders, which constitutes their farm, so to speak. A start has been made with \$35 capital, all invested in stock, except \$5 for food.

A. G. Wilkinson, Clifford, Mich., breeder of W. F. Bl. Spanish poultry. Best known egg producers. Eggs for hatching, \$1 pr. 13. Birds \$1.50 each.

A HUNDRED PER CENT

of the fertile eggs, is not an unusual hatch for the **MONITOR INCUBATOR.** Proof of this and many other things of unquestioned value to the poultry man will be found in our 80 page catalogue. Sent for 4 cents in stamps. Address, THE MONITOR CO., Box 10, Moodus, Conn.

Black Langshans. Early maturing, prolific laying stock. 13 eggs, \$1.25; \$3 for 39, from high scoring birds. JOHN TUFTS, Rockport, Mass.

GRAND White Wyandotte Cockerels.

We have a few grand birds that we will dispose of at \$3.00 each; worth more money. Order at once. MICHAEL K. BOYER, Hammon, N. J.

White P. Rocks. Jersey Beauties. Eggs per 13 (Hawkins), \$2.00; (Empire), \$1.00. REV. W. T. DORWOOD, Stelton, N. J. (Member A. W. P. R. Club).

COMPLETE CATALOGUE

Of BEST Eggs. Poultry That GROW.

Eighteen leading varieties of Poultry, Turkeys, Ducks and Guineas. Bred for both eggs and fancy points. Eggs for hatching, \$1.00 per 15; \$3.00 per 60. Stock for sale. Send for catalogue.

JAMES M. SMITH, Box 60, Perkiomenville, Pa.

POULTRY PAPER, illus'd, 20 pages, 25 cts. per year. 4 months trial 10 cts. Sample Free. 64-page practical poultry book free to yearly subscribers. Book alone 10 cts. Catalogue of poultry books free. *Poultry Advocate*, Syracuse, N. Y.

White Wyandottes

98 EGGS PER HEAD from Nov. 1 to April 1. All stock carefully bred and selected. Fine vigorous Cockerels at \$1.50. A few very choice ones for \$2.50. All farm raised. GEO. W. CONABLE, Cortland, N. Y.

In their letter they say:

"Noticing many items of experiment and record, we thought, perhaps, ours might interest some one, as others have us. Hence, we give you the first move in starting. We shall keep accurate records of both breeds, and would be pleased to have you publish same if of any interest to your readers. The two breeds are kept on two separate city lots, 50x100 feet, divided into two runs each. The feeding will be separate. We may invest \$15 more in stock, so we will start on \$50 capital.

Now that is just the kind of experience we want. We want to find out, both by our own experiments and those of our readers, just how much can be done with a few hens. We not only want our correspondents above to keep us posted on their trials and triumphs, but we would like to hear from all our readers who are making similar attempts.

Build on a sure foundation. That is the keynote of success.

In our book *A Living from Poultry*, we give a plan for the investment of \$50, which might be of interest to some of our readers. As most of our readers have that book (and those who have not can secure it for 25 cents, at this office) we will not quote from it, but it shows rather a quicker way of building up a plant than our correspondent uses with two breeds and only a trio of each. However, the results of our correspondents will tell which plan is the best.

Diseases—Remedy and Prevention.

Roup Remedies—Disinfecting—Valuable Pointers by Dr. Woods—Douglas Mixture—Cankered Face and Mouth—Worms in Fowls.

Breed for stamina.
Breed and feed for health.
Idleness is next to disease.
Bury or burn the dead fowls.
Healthy hens are always hungry.
Accumulated manure breeds disease.
Whitewash the sides and ceiling of every pen.
Carelessness will open the door to disease.
Medicine is best given in the drinking water.
Introduce new blood only from hardy stock.
Remove the dirt from the pens and put in fresh.
Now is a good time for "spring house cleaning."
Something is the matter with that droopy hen.
Don't expect healthy offspring from delicate parents.
Peroxide of hydrogen is said to be a sure cure for roup.
The scratching shed house is the one built on sanitary methods.
Crowding at night produces sweating which is apt to end in colds.
An abscess is curable but it is tedious work. Better get rid of the fowl.
Not only is pure water necessary, but clean drinking vessels are imperative.
If the chickens get to fighting and draw blood, anoint the wounds with vaseline.
The causes of disease are almost as a rule traceable to poor care and attention.

Dr. Woods says there are few, if any, poultry diseases that are not preventable.

Artificial heat does more damage to the health of the fowl than a benefit to the egg crop.

Discard from the breeding pen forever any fowl which has once had a contagious disease.

Overcrowding will furnish enough material in a month to make a year's siege of sickness.

The bright eye, red comb, smooth, bright, well-kept plumage, activity, and a keen appetite, indicate the healthy fowl.


The poultryman who knows how to use the axe judiciously, says Dr. Woods, does more to secure healthy poultry than the men who resort to the medicine bottle.

The *Poultry Farmer* says: "To battle with a contagious disease will, at best,

95% HATCHES

are often reported by those who use a

SUCCESSFUL INCUBATOR



One reason for this record is absolute uniformity of temperature in egg chamber. Correct instructions for operating; has fire-proof lamp. Will hatch every egg that can be hatched. Send 6c. for new 148-page catalogue. Filled with hen information and plans of poultry houses.

DES MOINES INCUBATOR CO.
Box 428, Des Moines, Iowa.

Rhode Island Reds

are hardiest and lay largest deep tinted eggs of any birds of their size. Have deeper yellow skin and legs than any white fowl; are not angular, coarse boned and leggy when dressed and have no dark pin feathers. Have not yet been spoiled by being bred for feather by the extreme fancier and therefore

Just Suit the Farmer

We have a choice lot of them and will sell eggs. Circulars of poultry and geese free.
SAMUEL CUSHMAN, Pawtucket, R. I.



INCUBATORS.

Gold and Silver Medals.
Blue and Red Ribbons.
Diplomas and Sweepstakes.

Our 1898 catalogue tells you all about the world's greatest Incubators and Brooders. Send for one. All machines warranted.

PRAIRIE STATE INCUBATOR CO.,
HOMER CITY, PA.

only stimulate or revive a fowl that will never be fit to breed from and entirely unfit for food."

A Rhode Island subscriber to *Farm Journal* reports the cure of cankered face and mouth, resulting from the application of vaseline. He removed the cheesy matter, washed the sores and then anointed them.

The *Reliable Poultry Journal* recommends feeding liberally on stewed garlic for worms in fowls. Keep the hen from food for 24 to 36 hours, and then give a light feed of stewed garlic cut in small pieces.

Barred Rocks, Hawkins strain; \$1.50 for 15 eggs. I warrant 10 chicks. Wm. Wallace, Medway, Mass.

BUFF P. ROCKS. Nuggets only. They are no strangers. Won Pa. State Medal at recent show; winning gold special Red and Blue Ribbons for six years. Eggs, 13, \$1.50; 30, \$2.50; \$4.00 for 50. KERLIN & SON, Box 4, Shenkel, Pa.

THOROUGHBRED

S. C. W. Leghorns, W. Wyandottes and Am. Dominiques. Bred for great laying. Eggs, \$1 per sitting; \$5 per 100. Stock for sale. F. J. BARNES, Turin, N. Y.

EGGS Barred Rocks, White Wyandottes. \$1.00 for 13. Pekin Ducks, \$1.00 for 12, W. H. Turkeys, Embden Geese, 25 cents each. WINFIELD DARLING, So. Setauket, L. I., N. Y.

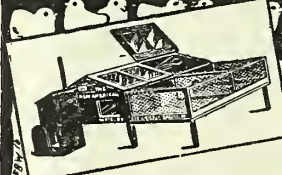
BUFF PLY. ROCKS

Bred for utility and beauty. Orders booked for shipment when desired, at \$1.00 per 13. A few Cockerels left which I will sell at \$1.00 to close out at once. H. F. KEGARIES, Roaring Spring, Pa.



Make Hens Lay

When eggs are high. You can do it. This Priceless Secret of Success with Poultry is fully told in our New Poultry Book. It also contains a Monthly Egg Record and Poultry Keepers Expense Account for one year, by which profit and loss can be shown monthly (well printed on good heavy paper) worth 25 cts. It also explains Prof. Corbett's method "How to make \$500 yearly profit with 12 hens," for which he charges \$1. Also much additional information of great value to every poultry keeper. This book sent free, post-paid, as premium with our Paper (Gleanings) three months for 10 cents. Address, H. P. K., Wayside Pub'g Co., Clintonville, Conn.



Oldest Established Poultry Farm and Supply House in the West.

POULTRY SUPPLIES

"EVERYTHING FOR THE POULTRY YARD."

The New American Incubators & Brooders

are not toys, but successful business machines, built upon honor and sold under a positive guarantee. Pure Bred Poultry and eggs for hatching. Send 4 cents in stamps for Nissly's 1899 Poultry Annual and Catalogue of "Everything for the Poultry Yard." Nearly 100 pages, finely illustrated; full of information; you need it. Address, GEO. J. NISSLY, 17 Adrian St., Saline, Michigan.

POULTRY SUPPLIES

Mica Crystal Grit, - - - Per 100 lbs. \$.75
Crushed Oyster Shell, Per 100 lb. bag, .75
Ground Bone, - - - Per 100 lb. bag, 2.00
Pike's Lice Destroyer, per gallon, - - .75

We make lower prices for large quantities.
Send for Descriptive Circulars.

SHIP US YOUR... **POULTRY AND EGGS**
SPRAGUE COMMISSION CO.,
118 South Water St. Chicago, Ill.

Healthy fowls, if in good condition, as they should be if healthy, seldom become victims of contagious disease, says Dr. Woods. A sound constitution and bodily vigor is the best means of securing immunity from contagion. The amateur does more doctoring in a year with 50 fowls than the expert does with ten times the number in 10 years. The reason is the latter has learned how to prevent sickness, and this is worth more than all the ability to cure.

Unsanitary surroundings, dampness, crowding, impure water, improper food, neglect, and want of exercise, all are factors in breeding disease, says *Farm-Poultry*. It does not matter whether it is a germ disease or not. Subjected to such conditions, even the strong sound constitution breaks down and with it vanishes immunity.

As a remedy for roup worth trying, Iowa, *Homestead* says give a tablespoonful at a dose of the following: Hypo-sulphite of soda, 2 tablespoonfuls; tincture of aconite, 10 drops; tincture of belladonna, 10 drops; quinine, 10 grains; water, a teacupful. Another remedy is 40 drops of permanganate of potash in a gallon of drinking water. Add 10 drops of carbolic acid to a tablespoonful of kerosene and use as a wash, and also give it internally, a few drops at a time.

Texas *Farm and Ranch* says the man who claims to have cured cholera with Douglas Mixture, probably does not know cholera when he sees it. That once popular combination of sulphuric acid, copper and water has long since served its purpose of fooling poultry raisers, and is generally abandoned as utterly worthless. It never cured anything—there is no medicinal

CUT CLOVER in sacks. \$1.25 for 100 pounds. J. G. QUIRIN, Tioga Center, N. Y.

White and Silver Wyandotte

STOCK and EGGS. Wm. H. Child, Hatboro, Pa.

I breed for business and get business birds. S. C. W. LEGHORNS, strong, hardy birds and great layers. Pullets, '98 hatch, layed when four months old. W. WYANDOTTES, equal to the best, eggs, \$1.50 per 15. SUSQUEHANNA POULTRY FARM, A. J. LATTIN, Proprietor, Milford, N. Y.

A PRESENT

For your Wife, Sister or Best Girl.

To introduce my stock, a large package Plush pieces (for fancy work) free with every order. Eggs, Pekin ducks, \$1.00 per 11. Eggs, B. P. Rocks, \$1.00 per 13. A few choice Cockerels at \$1.00 each. C. H. HARDEN, Jr., McConnellsville, N. Y.

WHITE WYANDOTTE Cockerels for sale. Good birds but not offered as prize winners. \$1.50 each. SILAS DEAN, Oak Hill, N. Y.

Our Improved Pekin Ducks

largest, quickest growers, greatest layers; 11 eggs, \$1.50; 1000 eggs, \$60. Large fertility guaranteed. We sell eggs that will hatch. Four infertile eggs out of 210, reported by one of our customers last spring. Send for circular. B. P. ROCKS, Hunter and Rudd strains, 13 eggs, \$1.00; 100 eggs, \$5.00. MARYBROOK RANCH, Fannettsburg, Pa.

Established 1855.

BENNETT, RAND & CO.,

Commission Merchants,

POULTRY, GAME, BUTTER, EGGS, Etc.

Nos. 19 and 20 North Market Street,
and 19 Clinton Street, BOSTON, MASS.

value in it, and only very slight anti-septic properties. Either of the three substances are better singly than in any possible combination, and water is the best of the three.

The Michigan *Poultry Breeder* advises cleaning out the house of all litter, and then disinfecting with carbolic acid. Buy a pound bottle of crystallized carbolic acid, place it in a vessel of warm water to dissolve. Pour six buckets of water in a tub and into this pour half of the carbolic acid. Now with a force pump, if you have one, (if not use wisps of straw, hay, or a new broom), sprinkle all over the inside of the house and the yards outside. If fleas are troublesome give their rallying ground a sprinkling; they will leave without taking time to say good-bye.

In selecting breeding stock, accept only specimens that are, and have been from birth, in perfect health, said Dr.

Berwick Farm—Buff Leghorns, Buff Wyand. Wh. Wyand., Ind. Games. Our strain have won prizes in England and America's greatest shows; prolific layers; egg order book now open. Norwich, N. Y.

COBURN'S BARRED PLY-MOUTH ROCKS

and WHITE WYANDOTTES

Bred for utility and beauty combined. Young and old stock for sale that will give you good layers and table poultry. Circular free. F. A. P. Coburn, E-759 Stevens St., Lowell, Mass.

KLINE'S BUFF ROCKS. Winners at Mt. Gretna, Buffalo, Madison Square Garden, Washington, Hagerstown, Johnstown, Kansas City. Four Gold Specials and Silver Cup. Eggs, \$2; three settings, \$5. Box 308 H. Frank Kline, Spring City, Pa.

Heavy Laying

S. C. BROWN LEGHORNS
and PEKIN DUCKS.

Farm-raised thoroughbred stock, bred for eggs only. \$1.50 per sitting; two sittings, \$2.50. Breeders for sale after June. F. CHRISTMAN, Sellersville, (Bucks Co.) Pa.

Poultry Printing,
Peerless Leg Bands,
Rubber Stamps.

Circulars and sample leg band free. Get my prices on up-to-date printing. Peerless Leg Bands stay on and stay bright. Egg Dater and Ink Pad, 50c. B. F. Huntington, Platteville, Wis.

EGGS for HATCHING

From practical B. P. ROCKS and S. C. WHITE LEGHORNS. Bred for eggs and lots of them, and they meet all requirements for me, and they will for you. My birds are not inbred, and I introduce new blood of known quality each year (that is good, practical egg producing stock). My eggs are proving very fertile. Price of eggs \$1.00 per setting. Satisfaction guaranteed. FRANK A. D. BULLARD, Segreganset, Mass.

LANCASHANS

ARE GOOD LAYERS AND I HAVE
GOOD ONES FOR SALE.

BLACK AND WHITE.

Address, MRS. C. M. KELLY, Newark, N. Y.

Maple Farm Duck Yards

Our mammoth Pekin ducks stand unrivaled for size and symmetry. 2500 birds selected with care for breeding purposes. Order early. Eggs in season. My book "Natural and Artificial Duck Culture," free with each order.

Monarch Incubator still ahead.

Send for catalogues to

JAMES RANKIN, South Easton, Mass.

Lawrence Poultry Yards.

Eggs for Hatching from E. L. Miles and E. B. Thompson's strains Barred Rocks. Northup and Garland strains Bl. Minorcas. \$1.25 per 13; \$2.50 per 30. J. C. GOLDING, Lawrenceville, N. J.

Woods, in a lecture before the Rhode Island College of Agriculture. If possible, know that they come from perfectly healthy parents. Select your breeders for health, strength, vigor and maturity; next consider utility value and fancy points. No matter how good a specimen the bird may be, if it is not mature, does not possess size, vigor and a sound constitution, it should be barred out of the breeding pen. It may hurt your feelings to so debar a promising specimen possessing a utility or fancy pedigree, but it pays.

EGGS REASONABLE—From THOROUGHBREDS

90c. for 15, (From Wh., Buff and Bd. P. Rocks
\$1.75 for 30, (Wh., Golden and Bl. Wyandottes,
2.50 for 45, (Lt. and Dark Brahmas, Wh. and
4.00 for 75, (Black Minorcas, Red Caps. S. S.
5.00 for 100, (Hamburgs, S. C. Brown, Buff and
Wh. Leghorns, R. C. Wh. Leghorns, Red P. Games,
Houdans and Pekin Ducks. Also \$1.50 for every 15
eggs from Sherwoods, Wh. Wonders, Wh. and Cornish
Ind. Games, Bl. Javas and Am. Dominiques.
Fertility guaranteed. See our catalog; it's free.
Stock for sale at \$1.50 to \$5.00 each. Order remitting
by Post Office Order, or write your wants.
BROOKSIDE PLTY. YARDS, Nelson, Pa.

White P. Rocks

First Prize Winners wherever shown. Pure white, yellow legs, low combs, Rock shape. Eggs \$2.00 for 15. Satisfaction guaranteed. Headquarters for Poultry Foods and Supplies of every description. Illustrated catalogue of Poultry Supplies sent free. I. F. Schott, Box 194, New Pittsburg, Wayne Co., Ohio.

I. K. FELCH & SON,

Box K, Natick, Mass.

Light Brahmas, Plymouth Rocks,
and White Wyandottes,

—BRED ON PRACTICAL LINES.—

Standard Points and Egg Records Combined.

Enclose stamps for 24 page catalogue.

EGGS \$1.00 per 15. White Wyand.; great layers of large brown eggs. S. C. W. Leghorns prolific laying strain. All Standard bred. Nothing better. Satisfaction guaranteed. C. E. MISNER, Calla, Ohio.

WHITE WYANDOTTES. Best of layers. Eggs, \$1.00 per 13; \$2.50 per 39. Guaranteeing 75 per cent fertility. E. SCHAAF, Box 121, Woodbury, N. J.

Dulany & Branin,

(Successors to Haines & Branin,)

Commission Merchants,

Philadelphia Poultry; Broilers, Roasters, Fancy Capons, Squabs and Eggs.

Nos. 41, 43 and 45 Hewitt Avenue,
West Washington Market, NEW YORK CITY.

SINGLE and ROSE COMB WHITE Leghorn eggs, 75 cts. per 15. Poultry Farm for sale. MRS. S. RIDER, Maryland, N. Y.

Over \$14 Per Head

Actual profit on a pen of White Wyandottes, as explained in January A Few Hens. Eggs for hatching (from stock that averaged 180 eggs each the past year) \$1.50 per sitting. Address, C. K. NELSON, Hammononton, N. J.

POULTRY CUTS at CUT PRICES.

CATALOGUE FREE.
Harper Eng. Co., Columbus, O.

Wh. Wyand., W. P. Rocks and R. I. Reds. Brown eggs from prolific winter layers at \$1.00 per 15. White Wyandotte eggs, \$4.00 per 100. C. A. SANBORN, 42 Fairmont St., Malden, Mass.

Northup's Minorcas

NORTHUP'S 1899 Minorca Catalogue, the most complete ever published in descriptions, prices, winnings, new pictures of buildings and fowls. Contains much information fully indexed under 60 headings. Rose and Single Comb cocks, hens, cockerels and pullets at bargains. GEORGE H. NORTHUP, Box 15, Raceville, N. Y.

Notes in Passing.

News in the Poultry World—Hints that May be of Value—Paragraphs from Our Exchanges.

Every business has its failures. Many fail for want of working capital. By all means kill off the mongrel male birds.

Poultry culture is no business for drones.

A sandy or gravelly soil is best for poultry.

No successful poultry farm was ever built up with dunghill fowls.

There must be failures to make the successes all the more complete.

Not every person who engages in the poultry business is fitted for the work.

It requires just as shrewd management in the poultry business as any other trade.

There are plenty of stumbling blocks, and it takes a plucky fellow to step over them.

Hard luck is generally brought about by mismanagement somewhere, says W. B. German.

It is always best to keep one or more extra male birds on hand, to be ready in case of an accident.

The poultry plant of ex-Gov. Morton, of New York, failed upon the introduction of mongrel male birds.

Enlarge the home market for poultry products this year, by using more on your own table, says *Farm Journal*.

Editor Downs says, if breeding for utility, the changing of males each year will impart vigor and strength to your flock.

Scrubs and runts may serve a good purpose, says Texas *Farm and Ranch*, but they should not be permitted to propagate their kind.

Farm poultry can be made to pay better than any other stock, value considered, says *Farmers' Voice*, but to bring this about proper care is absolutely essential.

Energetic, wide-awake, plucky individuals, those who will read, study and learn, and who have sufficient capital

to establish their business, are the ones who invariably succeed.

Gapes in poultry are hard to eradicate, says W. B. German, in *Practical Poultryman*, but the gapy, sleepy man will never make a success of anything. It takes ambition, grit, push and energy to succeed nowadays.

The farmer that lets next spring pass without introducing thoroughbred poultry on his farm, says the *Southern Fruit Grower*, will be one year behind his neighbor who has seen the disadvantage of feeding his grain to common stock.

Place no reliance in the theory that breeds contaminate by simply seeing a different variety through the crack of a fence. It might be as reasonable to suppose that some of the eggs will hatch pups by allowing the watch dog to come in sight of the hens.

"Make the roosts for Asiatics not more than 12 inches from the floor. Use 2x5 scantling, with the 4-inch side up. Bevel the edges," says H. S. Godfrey, in *American Poultry Journal*. That method is in use in the Brahma houses on A FEW HENS Experimental Farm, only we use 2x3 scantling, with the 2-inch side up, as it gives a stronger roost.

W. Wyandotte Ck's, A. F. Hunter stock, \$1.50 each. C. Mielcke, 6607 Rowan Ave., E. E., Pittsburg, Pa.

Mount Pleasant Park Black Minorcas are large, healthy, farm-raised birds. Eggs 5c. each; try them. F. H. LONGLEY, Fairport, N. Y.

BLUE ANDALUSIAN. Eggs \$1.50. BUFF LEGHORN (pr. sitting). H. W. Farnsworth, 430 Shelton Av., New Haven, Ct.

White Wyandottes and S. C. W. Leghorns. Eggs \$2.00 for 15; \$5.00 for 45. W. H. FORDHAM, Seawanhaka Poultry Farm, Speonk, L. I., N. Y.

Rose Comb Buff Leghorns. Good winter layers. Eggs for hatching, \$2.00 per 15. C. THIEME, Palos, Illinois.

RIVERSIDE Poultry Yards, Delaware, N. J. Eggs for hatching. Pure B. and W. P. Rocks, Lt. Brahmas, W. Leghorns, P. Ducks. Lock Box 73.

WHITE WYANDOTTE business birds. Eggs from early maturing, prolific laying stock; \$1.00 per 15. CHAS. T. ANSERT, Sing Sing, N. Y.

TELO-ALTO POULTRY PLACE. Start right. Wh. Wyandottes will help you to do it. Our heavy-laying strain, 13 eggs, \$1.00. E. F. YOUNGS, Prop., West Camp, N. Y.

How Many Eggs can we get, and how many fine birds can we raise in a year, is our "Hobby." We will help you do the same. Barred and White Plymouth Rock eggs \$4.00 per 100; 15 for \$1.50. Send for circular. HERBERT ESTY, Creston, Ind.

\$1.00.—13 eggs from prize-winning Lt. Brahma, Wh., Buff, Partridge Cochins, Buff, Bd., Wh. Ply. Rocks, Silver, Wh. Wyandottes, Houdans, W. C. B. Polish. 20 years' exp. L. Baird & Co., Eureka, Ill.

INCUBATOR EGGS from pure-bred White Wyandottes. \$3.00 per 100. SILAS DEAN, Oak Hill, N. Y.

BUFF P. ROCKS. Four years' trial has proven them extra fine layers; from pens mated to produce layers. Eggs, 1.00 per 13. F. C. FITCH, Wilton, N. H.

DO YOU WANT LAYERS? My Barred Plymouth Rocks are bred for business. Will sell a few sittings for \$2.00 per 15. Eggs from pure-bred Pekin Ducks \$1.00 per 11. Stock for sale in the fall. GEORGE H. BUTLER, Eliot, Maine.

MR. BOYER recommends my poultry for quality and laying. Be sure and send for catalogue for I can prove to you I have the best and give too much for the money. Winner at New York six yrs. Barred and White Rocks, Rose and S. C. Brown Leghorns, Buff and Wh. Leghorns, Black Langshans, R. and S. C. Black Minorcas, Big White Wyandottes (Brown eggs), Light Brahmas, Pekin Ducks, Belgian Hares. EGGS, \$1.00 per set.

W. W. KULP, Pottstown, Pa.

We prefer a male bird that is gallant, always ready to share with the hens, but we do not want one that is too generous. A male that will deprive himself is apt to be underfed, will grow nervous, and be of very little use as a breeder. On the other hand, the glutton will become overfat, again poorly fertilizing the eggs. Study the nature of the males.

For all general purposes the thoroughbreds have demonstrated their superiority. There may be exceptional cases where certain cross-bred fowls have eclipsed certain of the standard breeds. but this is the exception, and not the rule, says *Western Poultry Farm*. The beginner can secure thoroughbred stock at a reasonable cost; they will pay one-third larger dividends in eggs and meat.

The general purpose fowl, according to Theo. F. Jager, in *American Fancier*,

HARDY, Northern farm-raised White Wyandottes, Barred Plymouth Rocks and Black Langshans, from best strains. Bred for good layers and choice meat. Eggs, \$2.00 for 40. Stock for sale. BIRCHMEAD YARDS, North Dumbarton, N. H.

A Gentle Reminder

Do you intend to raise any chickens this year? Where are you going to get your eggs for hatching? We would like to remind you that PINE TREE FARM is still in the lead, and you can get good fertile eggs of almost any breed of Standard-bred fowls there, and at very reasonable prices. While you are studying where to buy your eggs or stock, send for my 32-page catalogue. It will tell you all about my stock, and prices of the same.

D. A. MOUNT, Box C, Jamesburg, N. J.

The Fanciers' Review,

CHATHAM, N. Y.

A 16-page Poultry Journal of National Circulation.

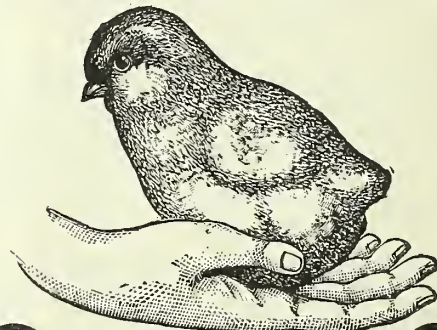
50 Cts. a Year, including a Poultry Book.

Your Choice of one of the following: "Art of Poultry Breeding;" or "Uncle Rastus' Poultry Book" (humorous). Without book, the price of the paper is

ONLY 35 CENTS A YEAR.

The most practical Poultry Journal published. Mr. Davis writes from three to four pages a month and as a practical writer on poultry topics he is without a peer. "Questions and Answers" are a valuable feature. Being popular, THE REVIEW is an excellent advertising medium, and rates are low. Send 10 cents for three specimen numbers.

HATCH Strong



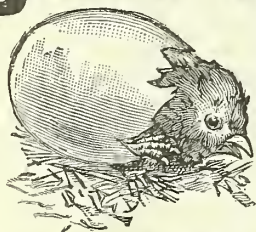
CHICKENS

Then keep them healthy and growing if you want the Pullets to lay when five months old. When hens lay eggs for hatching mix in their food every other day

Sheridan's Powder.

It strengthens the hens; makes the rooster more vigorous; finally you get more fertile eggs and strong healthy chickens. Persons who succeed best in keeping Poultry, commence with little chicks; giving twice a week an even teaspoonful of Sheridan's Condition Powder mixed with each quart of food, gradually increasing the dose. Sold by druggists, grocers, feed dealers or by mail. Single pack 25 cts. Large can \$1.20. Six cans, \$5. Exp. paid L. S. JOHNSON & CO., 22 Custom House St., Boston, Mass.

CHICK MANNA



Makes a certainty of growing chicks. If you feed it according to directions you can

RAISE EVERY CHICK YOU HATCH.

It Makes 'em Grow

because it regulates the bowels, promotes good health, begets strong constitution and produces rapid development. Fully endorsed by the thousands who use it. You will be its friend after one brief trial.

Price of Chick Manna } 1 lb. package 10c; by mail 25c. 5 lb. package 40c. 60 lb. case, bulk, \$4.20. Liberal discount to dealers on case lots.

POULTRY SUPPLIES

of every kind and for all conditions and requirements in our illustrated special catalogue. Mailed free to any address.

Johnson & Stokes, 217 and 219 Market St. PHILADELPHIA, PA.

must lay plenty of eggs at all times; quick growth and hardness of the chick; small, sinewy bones, large bundles of muscles, plenty of meat without fat; low comb and small wattles; activity and liveliness of the matured; angelic patience to stand confinement; yellow legs, bill and skin; white plumage; good incubation qualities.

A million good, desirable, valuable habits might be forced upon a hen, and she would never learn one of them, says Green's *Fruit Grower*, but let a vicious, destructive, outrageous, annoying habit float within a rod of her, and she will absorb it, adopt it, and proceed to make her owner's life miserable so long as she has enough life and strength to practice that habit.

The plan adopted this year on A FEW HENS Experimental Farm, is to have two male birds for each pen, keeping one bird with the hens while the other is in a warm coop alone. Each night they are changed. This does away with favoritism, prevents feather pulling to a certain extent, prevents gallant males from half-starving themselves, makes stronger fertility, and does much good in a general way.

A neat poultry yard impresses visitors favorably. It will help you to make sales, besides 'tis more satisfactory to yourself, says the *Colorado Poultryman*. You don't have to make excuses to visitors on the appearance of the place. Haven't time to "clean up." When you are going the rounds, do a little at a time as it comes in your way. A board or a lath picked up here, a piece of paper or old box there, as it comes in your way, soon does the work. Try it.

CREAM OF LITERATURE. Poultry breeders everywhere should have the cream of practical poultry literature, and we offer you the best bargain ever known, and the sum asked is but a trifle more than the price of one of the journals alone. Included in this peerless offer are four poultry journals and two books: *Farm-Poultry*, the great semi-monthly, the most practical poultry journal of the age, one dollar a year.

Poultry Keeper, monthly, fifty cents a year, edited by P. H. Jacobs, who knows all about poultry, and can tell it in a way that all can understand.

The *Inter-State Poultryman*, monthly, fifty cents a year, plain, practical, progressive, with articles on "Poultry on the Farm for Profit," and instructive Pet Stock, and Woman's Departments.

A Few Hens, edited by M. K. Boyer, contains more information to the square inch than any poultry journal published.

"A Living from Poultry," is a book you should all have, and "Broilers for Profit," is of great value, also. Our unequalled offer is this: We will send the four poultry journals, one year, and the two books, to any address, for \$1.25. FARM-POULTRY, Boston, Mass.

EGGS. Thompson's Bd. Rocks, Northup's Minorcas, Br. and Wh. Leghorns. 13, \$1.00; 50, \$3.00; 100, \$5.00. Elm Grove Yards, Ausable Forks, N. Y.

CHAMPION POULTRY YARDS, Buxton Centre, Me. Wh. P. Rocks and Wh. Wyandottes. Pure white, large size, prolific layers of brown eggs, each pen headed by unrelated males. Buff Leghorns, fine in comb and color. Eggs, \$1 per 13; \$2 per 30. Circular free. B. A. Bradbury, Buxton Centre, Me.

Our Market Report.

An Accurate Account of the Highest, Lowest and Average Prices for the Best Market Stock, Paid During the Month of January—Goods Not up to the Standard Received Proportionately Less.

NEW YORK.

Furnished A FEW HENS by Dulany & Branin, 41 Hewitt Avenue, New York City.

	Highest,	Lowest,	Av.,
Fresh eggs.....	36	21	26
Philada. Roasting Chickens, 15 1-2	17	16	1-5
Broilers.....	23	28	25 1-5
Fowls.....	13	11	12
Ducks.....	14	12 1-2	12
Turkeys.....	17	16	16 1-2
Capons.....	20	18	19

PHILADELPHIA.

Furnished A FEW HENS by Philip Quigley, 303 South Front St., Philadelphia, Pa.

	Highest,	Lowest,	Av.,
Fresh Eggs.....	34	18	24 3-4
Hens, live.....	14	10	10 3-4
Hens, dressed.....	12	10	10 3-5
Roasting Chickens, live....	12	9	10 1-3
Roasting Chickens, dressed	13	11	11 1-4
Old Roosters, live.....	8	6	6 1-3
Old Roosters, dressed.....	8	6	6 1-3
Broilers.....	20	15	17
Capons.....	14	14	14
Capons, slips.....	12	12	12
Ducks, live.....	12	9	10 1-4
Ducks, dressed.....	12	10	11 1-8
Geese, live.....	11	8	9 1-2
Geese, dressed.....	11	8	9 1-2
Turkeys, live.....	12	9	10 1-3
Turkeys, dressed.....	16	12	13 1-3

BOSTON.

Furnished A FEW HENS by Bennett, Rand & Co., 20 North Market St., Boston, Mass.

	Highest,	Lowest,	Av.,
Eggs, nearby and Cape	36	23	27 1-3
Eggs, Eastern,	36	21	26 1-3
Eggs, Vt. and N. H.	36	21	26 1-3
Eggs, West'n, selected fresh	36	20	26
Eggs, Southern	36	19 1-2	25 1-2
Eggs, Refrigerator	16	16	16
Eggs, Lined.....			

NORTHERN and EASTERN.

Chickens, dressed.....	18	16	17
Chickens, live.....	10	9	9 3-4
Fowls, dressed.....	13	13	13
Fowls, live.....	11	10 1-2	10 3-4
Roosters, live.....	6	6	6
Ducks, dressed.....	10	10	10
Geese, dressed.....	10	10	10

WESTERN DRY-PACKED:

Turkeys, drawn.....	13	13	13
Turkeys, undrawn.....	12 1-2	12 1-2	12 1-2
Turkeys, old toms.....	10	9	9 1-2
Turkeys, heavy.....	11	10 1-2	10 3-4
Chickens.....	12	11	11 3-4
Fowls.....	11	10 1-2	10 3-4
Ducks.....	10	8	9
Geese.....	9	9	9
Old cocks.....	7	7	7
Capons, large.....	14	14	14
Capons, small and medium	12	12	12
Capons, slips.....	10	10	10

White Wyandottes and Lt. Brahmas, strong vigorous birds from best strains. Eggs, \$1.25 per 13. Regent Park P'ty Yards, Port Chester, N. Y.

INCUBATOR EGGS. Strictly fresh. \$3.50 a hundred; \$2.00 for fifty. C. N. TILLOTSON, Box 289, Boonton, N. J.

BARRED PLYMOUTH ROCKS and PEKIN DUCKS, they are bred for good laying, and a fine market bird when dressed. Eggs for hatching from the same pens we breed from ourselves, \$1.50 pr. sitting; two sittings, \$2.50. WM. WATMORE, Moorestown, P. O., Lenola, N. J.

THE TERRACE POULTRY YARDS. **WHITE Wyandottes exclusively.** Beauty and utility combined; winners at the following shows in 1898: Mt. Gretna, Pa., Hagerstown, and West Chester, Pa., Washington, D. C. Stock is strong and vigorous; never had roup. Raised cockerels that weighed 9 to 10 lbs., pullets 6 1-2 to 7 1-2 lbs. Great layers; layed when 5 months old. Eggs, \$2.00; three settings, \$5.00. Visitors welcome. ALLEN C. ROBERTS, Spring City, Pa.

CHICAGO.

Furnished A FEW HENS by the Sprague Commission Co., 218 So. Water St., Chicago, Ill.

	Highest,	Lowest,	Av.,
Eggs, fresh.....	35	16 1-2	22 1-4
Eggs, held fresh.....			
Eggs, recandled.....			
Eggs, repickled.....			
Eggs, cold storage.....	13 1-2	13 1-2	13 1-2
Chickens, hens, scalded	9	8 1-2	8 3-4
Chickens, hens, alive	9	8 1-2	8 3-4
Chickens, frozen stock			
Spring chickens, scalded	9 1-2	9	9 1-3
Spring chicks, dry-picked	9	8 1-2	8 3-4
Spring chickens, live	9	8	8 3-4
Broilers.....	13	11	12 3-4
Capons.....	13	12 1-2	12 1-4
Capons, slips.....	10	10	10
Roosters, old, live.....	5	4 1-2	4 3-4
Roosters, young, live....	8	6	6 1-5
Roosters, dressed.....	5 1-2	5	5 3-4
Ducks, live.....	8	7	7 1-2
Ducks, dressed.....	9	8	8 1-2
Geese, live, frozen.....	\$5	\$5	\$5
Geese, dressed.....	8	7 1-2	7 1-2
Turkey hens, dressed	11	10 1-2	10 3-4
Turkey hens, live.....	7 1-2	7 1-2	7 1-2
Turkey gobblers, y'n'g, dr.	9 1-2	9 1-2	9 1-2
Turkey gobblers, dressed	8	8	8

Imperial Pekin Ducks. Eggs, \$1.00 per 13; \$5.00 per 100. MARTIN BROS., Greenville, R. I.

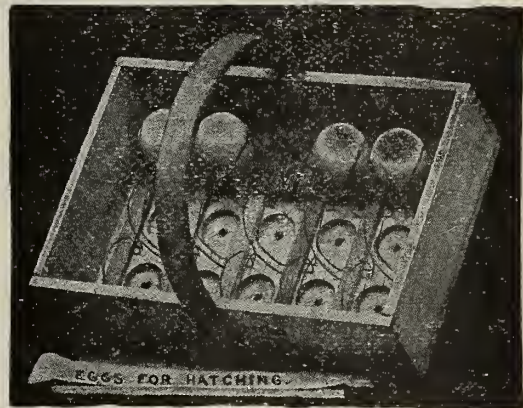
WHITE Wyans. (Hawkins), W. P. Rocks (Empire) Lt. Brahmas (Felch). Eggs, \$1.50 pr. sitting. C'k's and trios for sale. Seas Bros., Box L, Orrville, Ohio.

BUFF LEGHORNS. 15 eggs, \$1. Most complete catalogue ever issued on this peerless breed, free. V. M. MARKEN, Frederick, Md.

PEKIN DUCKS (Weber's). Barred Rocks, Wh. Wyans. Eggs, \$1 per setting; \$5 per 100. R. C. W. Leghorns, beauties, \$1 pr. 13. GLEN, Hillsdale, N. J.

A Problem Solved BY USE OF THE Fanciers' Favorite Package.

It is being rapidly adopted by prominent breeders all over the Union and in Canada and Mexico.



Patented July, '97. October, '98.

Prepaid sample, 20 cents in stamps. Free literature from the **WOODS EGG HOLDER CO.**, successors to the 20th Century Mfg. Co., 211 Locust St., St. Louis, makers of Revolving Cabinets, Crates, Boxes, etc. Canadian, British, French and German patents to be disposed of.

RINGLET BARRED ROCKS, E. B. Thompson strain. None better. Eggs, \$1.50 to \$3.00 per sitting. Six prizes on 14 birds at Newburgh; 1st pen at Walden, N. Y. Stock for sale. H. T. BROWN, Wallkill, N. Y.

TOWER FARM. Light Brahmas, White Wyandottes, C. I. Games. Eggs, \$1.00 per 13. I breed for business. Satisfaction guaranteed. Prairie State Sectional Brooder, complete, \$20. Stock for sale, \$1 up. E. D. Ingraham, Ransomville, N. Y.

"Best Liver Pill Made."
Parsons' Pills

Positively cure biliousness and sick headache, liver and bowel complaints. They expel all impurities from the blood. Delicate women find relief from using them. Price 25 cts.; five \$1.00. Pamphlet free. I. S. JOHNSON & CO., 22 Custom House St., Boston.

White Wyandottes and Black Minorcas. Eggs from carefully selected stock, \$1.00 per setting. GEORGE CARTWRIGHT, Box 517, Niles, O.

People We Know.

Facts and News Gleaned Especially for A FEW HENS About People We Know.

The Von Culin Incubator Company, of Delaware City, Del., has lately reorganized and doubled their former capital, and also added machinery to their present plant that will increase their present output of machines 50 per cent. This was necessitated by the increased demand for their incubators in 1898, after they had added to their already high grade machines their patented automatic ventilation and temperature regulators. It would pay you to send for their large catalogue. Their factory is at 8 to 12 Washington Ave., Delaware City, Del.

A copy of "Artificial Incubating and Brooding," a new book compiled by Grant M. Curtis, editor of the *Reliable Poultry Journal*, Quincy, Illinois, has been received. It is the largest, finest and most complete work of the kind yet seen. The leading articles are from the pens of such experts as Cooper, Cyphers, Campbell, McPetridge, Rankin, Roessle, Foy, Myers, Andrews, Hallock, Pollard, and others. We regret that we are so crowded this month that we cannot give a better review of this excellent work. It will be sent postpaid for only 50 cents, by Mr. Curtis.

For the poultryman who works for pleasure or for profit there are many entertaining and suggestive facts contained in the annual catalogue of the George Ertel Company, of Quincy, Ills. Its descriptions and illustrations, backed by strong endorsements from practical poultrymen, are convincing arguments in favor of the Ertel improved Victor incubator, and the improved Victor brooder. In the improved Victor incubator the devices for supplying ventilation, heat and moisture, are simple. Persons who are unfamiliar with the George Ertel company, can rest assured of fair, courteous, and honorable treatment in dealing with them. The house has had vast experience in this line, and a reputation based on years of the most solid kind of a success. They will send their illustrated catalogue to any one who is interested.

PIT GAMES. Eggs, \$1.50 per 15.
C. G. BAXTER, Merch., tville, N. J.

B. P. Rocks, White Wyandottes; bred for business. Eggs, \$1 per 13; \$5 per 100. ABE ELY, Maple Tree Poultry Farm, Wyckoff, N. J.

EGGS from large, healthy White Holland Turkeys of the finest strains, 20 cents each. Good hatch guaranteed. THOS. HAULTON, Wigton, Pa.

WILL EXCHANGE banjo, good condition; or squab Homers, thoroughbreds, for W. Wyandotte pullets. Jas. D. Kent, Flushing, L. I., N. Y.

EGGS for Hatching from choice, pure White, low comb P. Rocks; one sitting, \$1.25; two sittings, \$2.00. W. H. WIGHT, 538 Washington St., Hudson, N. Y.

BLACK HAMBURGS, prolific layers of large white eggs. Hardy, beautiful. \$2.00 for 15 eggs. S. K. WINANS, Stanfordville, N. Y.

STANDARD and business bred White Wyandottes and B. P. Rocks; eggs, \$1.00 per 15; \$1.75 per 30. T. B. BURDICK, Little Genesee, N. Y.

ROSE Comb Brown and White Leghorns that are bred for layers. Eggs, \$1.00 per sitting; 50 for \$3.00. C. H. CLARK, Cobalt, Conn.

STOCK and **EGGS** of all Poultry for sale. Only Prize and Standard birds used for breeding. Send stamp for illustrated catalogue to Whitewater Poultry Association, Whitewater, Wis.

WHITE WYANDOTTES
Standard Points and Heavy Laying combined. Eggs \$1.50 per 15. C. M. AGLER, Millbury, Ohio.

Barred Ply. Rocks
Brown egg strain. Black Leghorns. Eggs, \$1.25 per 15. Matthews & O'Laughlen, Gambrills P. O., Md.

S. C. W. Leghorns, P. Ducks and W. Wyandottes, bred for utility and beauty combined. Eggs from strong vigorous stock of America's leading strains, \$1 per 13; \$3 per 50; \$5 per 100. W. Wyands, \$1.50 per 13. Chas. F. Freichler, Sanborn, N. Y.

❖❖ **THE IMPROVED** ❖❖
EMPIRE STATE BROODERS FOR 1899

Have many points far in advance of other makes; one very important item is the saving of 1-3 to 1-2 in oil. Stop this useless waste, as it means dollars to you. Brooder Lamps 60 cts. each; \$3.00 1-2 doz. Tested Thermometers 30 cts. each, by mail. Send stamps for circulars; it will pay you. Prices reasonable.

FOR SALE:—One new Cream Separator, and nearly new Dog Power. Address, Empire State Brooder Co., Hall's Corners, N. Y.

The Petaluma (Cal.) *Courier*, in a recent issue, stated that "the Petaluma Incubator Company are now running their factory day and night, with an increased force. They report the season at least one month earlier than usual. The completeness of the system of manufacturing, and in handling orders for machines in large numbers, may be judged by the ease with which the company is filling an order received on the last mail from Australia—122 incubators. This order, large as it is, will be shipped and on its way across the water in 5 or 6 days, and will in no way interfere or affect the prompt delivery of machines to local or domestic customers."

The Niagara brand of fine cut, green cured clover for poultry, is becoming more popular every day. It is cut and cured very green, then put through an improved feed cutter, run by steam power, which cuts it 1-4 to 1-8 inch in length. Afterwards it is all screened, to take out all long stems. We have been using this clover hay for two seasons on A FEW HENS' farm, and can recommend it for both its green color and good quality. It is put up in 50 lb. or 100 lb. sacks, ready for shipment, and sold at \$1.25 per 100 lbs.; \$5.00 per 500 lbs.; or \$20 per ton. Write to W. R. CURTISS & Co., manufacturers, Ransomville, Niagara County, N. Y.

Our readers will notice in this issue the advertisement of F. Christman, Sellersville, Bucks county, Pa., of S. C. Brown Leghorns and Pekin ducks. We want to call attention to the fact that Mr. Christman is the owner of the pen of ducks that did such heavy laying last season, as reported in A FEW HENS. He reports that they are not only remarkable layers, but the eggs are very fertile, and the young are strong and healthy. In Brown Leghorns he has the cream of layers. This he secured by testing his hens with a secret nest box, in order to gain their individual record. From the best layers he has been breeding until he has placed his strain in the front ranks.

BARRED ROCK EGGS from yard headed by Cockerel from A. C. Hawkins. Hens are large, nice shape, well marked, and good layers. \$1.00 for 13. A few settings Indian Game eggs, yard headed by first Cockerel, Washington, D. C., December, '97. \$2.00 per 13. Pekin Duck eggs, Pollard stock, \$1.00 per 13. C. C. SHORR, McDaniel, Md.

FERTILE EGGS 75 Per Cent. Guaranteed.
S. C. WHITE LEGHORNS exclusively.
Eggs, \$1.00 per 13; \$3.00 per 50; \$5.00 per 100.
W. H. WARREN, Ransomville, N. Y.

ROYAL BLUE BLOOD. Write me for prices on eggs if you want best to be had. B. P. Rocks, Rose Comb Brown Leghorns, C. I. Games. They will be sold right, and guaranteed. F. M. CHESBRO, Mongo, Ind.

BLACK MINORCAS
Business stock and Standard-bred. Eggs, \$2.00 per sitting; three sittings for \$5.00. Hatch guaranteed. Write. H. MILLER, Sugar Grove, Pa.

EGGS FOR HATCHING
from great layers. During February I gathered from my breeding pens, containing 78 birds, 1268 eggs; the thermometer went to 30 degrees below zero; they never stopped. Eggs from these pens, \$1.50 per 15; \$2.50 per 30. Fair hatch guaranteed. Bl. Langs., W. Wyands., Buff Leghorns. Jos. Noss, New Castle, Pa.

WHITE WYANDOTTES.
My stock produces fine broilers, roasters and layers. Good hatch guaranteed. Eggs, \$1.00 per 13.
J. J. SMITH, Oxford, Mass.

BROWN LEGHORNS Prize **WINNERS**
Six choice pullets; four cockerels, at reduced prices.
ZUNDEL BROS., Grapeville, Pa.

WHITFORD'S
WHITE
WYANDOTTES

Lay beautiful large brown eggs, commanding fancy prices. Birds comprising my '99 matings are snow-white; they are typical Wyandotte shape, with orange yellow legs and beaks. My breeding hens average 8 1-2 to 9 1-2 lbs. each. Strong, healthy specimens, mated to produce chicks which will prove a source of profit to farmer or fancier. Chicks of this strain often weigh 4 lbs. at nine weeks; 8 1-2 to 11 lbs. at maturity. Brown eggs from prolific layers, \$2 per 13; \$5 per 40. Also extra dark brown eggs from pedigreed breeders. The resulting chicks will please you, both in quality and numbers. Descriptive circular, free.

SUNNY CREST POULTRY FARM,
GEO. S. WHITFORD, Proprietor, Phoenix, R. I.

Col. Robt. A. Braden announces in the December issue of the *Ohio Poultry Journal*, that he has sold the right, title and fixtures of the Great and Only, to J. C. Ely, ex-Postmaster of Dayton, and henceforth, he (Braden) will live a life of luxury and ease, while Mr. Ely will put his "shoulder to the wheel." While we congratulate Mr. Ely on his valuable purchase, we regret to see such a deal made. Col. Braden was one of those commonsense poultry editors, of which, unfortunately, we have so few. Aside from some slip-slod contributions by a certain individual who attacks and disputes every thing he sees, in order to gain notoriety, the *Ohio Poultry Journal* was a clean, valuable and interesting paper, and it is hoped that Mr. Ely, will, if possible, even improve on the Colonel's work. A FEW HENS extends well wishes to both the new editor and the one retiring.

Champion Poultry Yards, Buxton Ctr., Me. Wh. P. Rocks and Wh. Wyandottes; pure white, large size, prolific layers of brown eggs. Each pen headed by unrelated males. Buff Leghorns, fine in comb and color. Eggs, \$1 per 13; \$2 per 30. Circular free. B. A. BRADBURY, Buxton Centre, Maine.

Barred Plymouth Rocks,
Light Wt. Light Brahmas.
We breed birds fit for any show in the land, and none that do not possess high practical merit as regards early maturity, prolific laying of brown eggs, and fine market poultry. Eggs, \$1.00 per 13; \$5.00 per 100. E. D. PAGE, North Hermon, Maine.

White Wyandottes, Buff Plymouth Rocks
Pedigreed strains. Prolific layers of large brown eggs. Stock unsurpassed for vigor, shape and color. Utility and beauty combined. Eggs, \$1.00 per 15. CHARLES H. CANNEY, Dover, N. H.

White Wyandottes.
Business Stock and Standard-bred. Hens prolific layers. None better. Low prices. Write for Egg Circular. RALPH WOODWARD, New Rochelle, N. Y.

EGGS FOR HATCHING
From good stock. White Plymouth Rocks, White Wyandottes, S. C. Brown Leghorns and Leghorn-Light Brahma Cross, 15 for \$1.50; 30 for \$2.50. All eggs shipped in the "Costello Box." Eggs at house, 13 for \$1.00. W. W. OSGOOD, Poultry Supply Dealer, No. 16 Mechanic Street, Haverhill, Mass.

75 Per Cent Fertile
Guaranteed by Niagara Farm.
Exclusive breeders of Strictly Practical Stock. Mammoth Pekin Ducks, 140 eggs in six months; December layers; extra heavy weights; long bodies; flat backs; deep keels. Pure White Wyandottes, best general purpose fowl. Prolific layers; brown eggs; quick growers; mature early; blocky shape. Eggs, \$1.00 per 13; \$3.00 per 50; \$5.00 per 100. Birds \$1.50 to \$2.00 each. Mammoth Belgian Hares, \$1.00 each. Reference—Editor Boyer. Circular. W. R. CURTISS & CO., Ransomville, N. Y.

WHEN YOU HAVE ANY
Poultry for Market

Write for prices to
PHILIP QUIGLEY,
Produce Commission Merchant,
No. 303, South Front Street, PHILADELPHIA, PA.

BARRED PLY. ROCKS
Hunter-Colby. Nicely barred, heavy-laying strain. \$1.00 per sitting. G. E. Chalfant, Hammon, N. J.

Save Your Chickens
FROM INDIGESTION.
Get a plan of my machine. Crushes any kind of Grit fine enough for the youngest chickens. Works with levers. Easy to build. Is very cheap; made mostly of wood. No expenses for machinists, or repairing. It rats neither you fill up holes with crushed glass. Drawings and instructions, 20 cents. Brooder Plans, 20 cents. Blue Lime Stone Grit for sale, \$1.00 for 100 pounds. Two-cent stamp for sample of Grit. No circulars. AUGUST R. LORENZ, Lancaster, Erie Co., N. Y. Box 272.

This paper will cost you only Twenty-five Cts. for TWELVE MONTHS. Can you afford to do without it? We accept stamps.